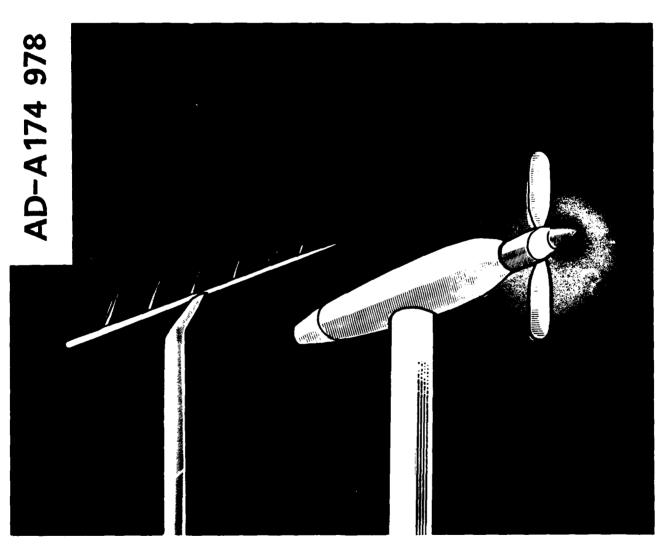
DFVLR/FAA Propeller Noise Tests in the German-Dutch Wind Tunnel DNW

Appendix II: Basic Test-program

(Propeller 2: Thickness 8.5%, Square Tip-shape)

DFVLR-IB 129-86/3 FAA Report No. AEE 86-3



Jointly conducted by:



US Department of Transportation

Federal Aviation Administration

Office of Environment and Energy

This does mont has been approved for public rules and also its distribution is unlimited.

Deutsche Forsc

Deutsche Forschungs-und Versuchsanstalt für Luft-und Raumfahrt e.V.

Inst. fur Entwurfsaerodynamik Abteilung Technische Akustik



by Werner M. Dobrzynski Hanno H. Heller John O. Powers James E Densmore

86 12 09 100

DATA REPORT ON PROPELLER NOISE TESTS

IN THE GERMAN-DUTCH WIND TUNNEL

APPENDIX II

RESULTS FROM THE BASIC TEST-PROGRAM (PROPELLER 2: THICKNESS 8.5%, SQUARE TIP-SHAPE)

bу

- W. Dobrzynski*, H. Heller*
 and
- J. Powers**, J. Densmore**

^{*} DFVLR, Flughafen, 3300 Braunschweig, W.-Germany

^{**} FAA, 800 Independence Ave., S.W., Washington, D.C. 20591, USA

Table of Content

- 1. Introduction
- 2. Microphone Array
- 3. Environmental and Operational Test-data
- 4. Overall Noise Levels from Direct Analog Analysis
- 5. Acoustic Pressure-time Histories and Narrow-band Spectra
- 6. Propeller Rotational Harmonic Noise- and Overall Noise Levels
- 7. Comments on Data Interpretation



Accession For

KTIS GF AI

DITTO TAR

Unsurface SO

Fy

Discorded

Accession For

KTIS GF AI

DITTO TAR

Unsurface SO

Fy

Lict

1. Introduction

Within a joint effort (and supported by the German Ministry of Research and Technology/BMFT) between the Deutsche Forschungs-und Versuchsanstalt für Luft- und Raumfahrt (DFVLR), the US Federal Aviation Administration (FAA), and the German Ministry of Transportation (BMV), propeller noise tests were conducted in the "Deutsch-Niederländischer Windkanal/German Dutch Wind Tunnel (DNW)" to develop high quality propeller-acoustics data, which could be used by manufacturers for acoustic design purposes, and by researchers to validate established or newly developed theoretical noise prediction methods.

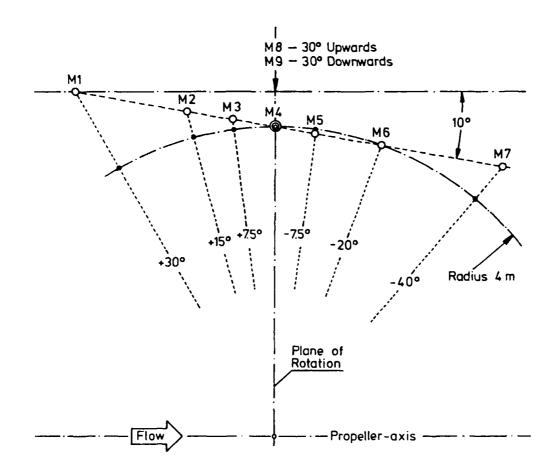
Specifically, the program addressed propeller Mach-number and disc-plane attitude effects as related to noise certification test and evaluation procedures. Changes in Mach-number, as they affect acoustic data adjustments, were explored through independent variation of tunnel flow velocity, propeller rotational speed and ambient air temperature. The tests on the effect of in-flow angle on propeller noise also incorporated the influence of a typical engine nacelle on the flow field and, hence, on the propeller noise.

In this Appendix the results from the basic test-program (Propeller 2: Thickness 8.5%, square tip-shape) are documented in terms of pressure-time histories, narrow-band spectra and unweighted as well as A-weighted overall sound pressure levels, together with supplementary information nescessary for further data interpretation. A detailed description of data-acquisition and -reduction techniques is provided by the "Executive Report" to this Appendix.

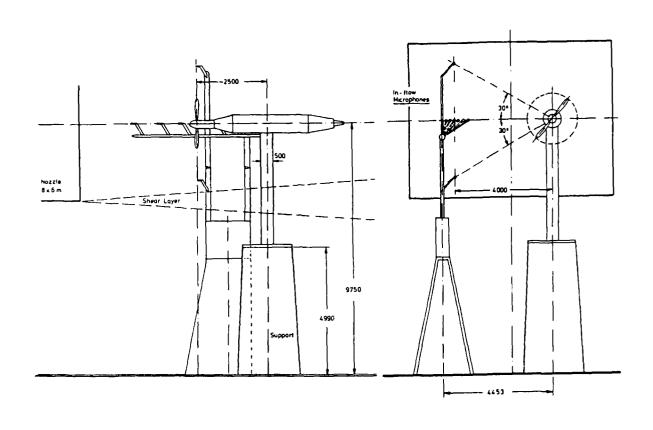
2. Microphone Array

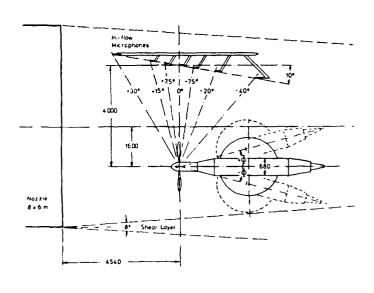
は、「これのこれのない」でいるかがとしているというできます。

A total of seven in-flow microphones were positioned in the horizontal plane at different streamwise locations corresponding to particular geometric radiation angles from the propeller center. Two additional microphones were positioned in the plane of rotation (4 m lateral distance to the propeller axis) at angles of ± 30 deg respectively above and below the horizontal plane with reference to the propeller center.



In-flow Microphone Positioning





Schematic Representation of Test-rig Arrangement within the Core-flow Regime of the DNW $8\times6m^2$ Open Test Section

AND SOND SERVICES SOND AND SERVICE AND SER

3. Environmental and Operational Test-data

In the following table(s) the data-point matrix is documented. These table(s) summarise the as-measured data and characteristic propeller operational parameters as calculated from measured data.

HEL. MACHN.	•	0.6760 0.7719 0.7850 0.8740 0.8740 0.5732 0.6688 0.7620 0.7671	
THRUST COEF.	•	0.0617 0.0685 0.0209 0.0209 0.0480 0.0951 0.0958 0.0968 0.0627 0.0868	0.0004 0.1117 0.1164 0.0991 0.0813 -0.0016
POWER COEF.	•	0.0589 0.06611 0.0526 0.0526 0.0727 0.0727 0.0740 0.0740	0.0100 0.0969 0.0969 0.0925 0.0933 0.0119 0.01403 0.1322 0.1260
ATTACK ANGLE	DEG	3.708 3.878 3.878 -0.303 -2.281 7.225 7.225 7.225 7.225 7.225 7.225 7.225 7.225 7.225 7.225	
ADV.	•	0.2421 0.2397 0.2419 0.3015 0.3015 0.1791 0.1798 0.2292 0.2298	
FLOW DENS.	KG/CM	1.203 1.203 1.203 1.203 1.203 1.203 1.203 1.205 1.205	1.203 1.208 1.206 1.206 1.205 1.205 1.205 1.205 1.205 1.203
FLOW PRES.	PASCAL	99582. 99547. 995175. 994112. 99181. 99181. 99134.	
FLOW TEMP.	KELVIN	2887.2 2887.2 2887.2 288.6 288.6 288.6 288.6 288.6 288.6 288.6 288.6 288.6 288.6 288.6 288.6	
ATTITUDE ANGLE	DEG	000000 0000000	.
THRUST	NEWTON	1549 2099. 2839. 1986. 1755. 1755. 2432. 3310. 1579. 1579.	2074. 2074. 1373. 2496. 3172. 2663. -15. 2211.
POWER	Ϋ́	105.3 162.9 250.5 199.9 19.1 19.1 132.2 202.8 205.8 187.0 187.0 187.0	7.55 169.7 165.8 165.8 221.7 5.0 5.0 149.3 5.4
FLOW VEL.	M/S	74.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0	51.3 50.1.2 50.1.2 50.1.2 50.1.3 50.1.3 50.1.3
ROT. SPEED	RPM	2100. 2400. 2700. 2700. 2189. 1800. 2100. 2100. 2100. 2100. 2100.	1522. 1800. 2100. 2250. 2250. 2250. 1800. 1800. 1800.
PITCH F ANGLE	DEG	2002 2012 2012 2012 2012 2012 2012 2012	500.2 50
DATA POINT	1	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	# 1
NO.	i	8888 883 777 772 772 772 772	7 4 113 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13

4. Overall Noise Levels from Direct Analog Analysis

The following tables provide unweighted (OASPL) and A-weighted $(L_{\underline{A}})$ overall sound pressure levels from quick-look analog data-analysis of measured data for all data-points and microphone positions respectively. Level-numbers which are identified with an asterix are "disturbed data" and should not be interpreted.

BASIC PROGRAM, SQUARE-TIP PROP. (1)

DNW PROPELLER NOISE TEST

No.						III-LIO	v Noise	rever			
	Point		MI	M2	м3	M4	M5	м6	M7	M8	м9
85	AC-1	L _A dB(A)	92.1	97.6*		98.8	99.1	100.8		103.7*	1
1		OASPL-dB	105.6	111.7*		111.9	113.2	115.3		116.9*	113.0
84	AC-2	L_{Δ} -dB(A)	101.3	107.1	110.0	110.7	110.8	101.3	101.7*		109.5
- }		OASPL-dB	112.0	117.9*		118.3	119.6	122.2	115.6*		119.2
83	AC-3	$L_A - dB(A)$	113.8	124.3*		126.3	124.7	122.1	113.1*		125.2
		OASPL-dB	120.3	129.5*	128.0	128.7	128.3	128.5	126.5*	1	128.4
80	AC-4	$L_A-dB(A)$	110.6*	109.9*	110.5	111.2	111.0	116.6*	121.0*	110.4	110.6
		OASPL-dB	119.0*	121.7*	118.3	119.5	120.0	125.5*	134.6*	125.7*	125.7*
81	AC-5	$L_A-dB(A)$	115.2*	124.4	126.0	126.3	124.5	121.9	121.6*	124.5	125.3
į		OASPL-dB	122.5*	130.7*	128.1	128.5	127.9	128.8	134.5*	129.0	129.4
82**	AC-7	L,dB(A)	105.7*	106.3*	103.2	105.3*	107.3	116.4*	126.6*	106.9*	105.8
Ì		OASPL-dB	115.2*	121.0*	116.2*	118.6*	118.6	125.7*	132.9*	126.8	125.7
77	BC-1	L,-dB(A)	84.4	87.1	87.8	88.8	89.1		85.3	87.9	89.0
j		OASPL-db	101.1	103.7	104.9	106.3	107.5		104.5	106.5	108.3
76	BC-2	$L_A-dB(A)$	91.3	97.1	98.4	99.3	99.6		92.1	97.7	99.5
		OASPL-dB	106.0	110.3	111.5	112.8	114.2		111.0	110.9	113.1
75	PC-3	$L_{\bullet}-dB(A)$	101.3	107.7	110.5	111.1	112.2		100.2	109.9	110.3
- 1		OASPL-dB	112.3	116.0	117.8	119.3	121.0		116.6	117.9	118.5
73	BC-4	$L_{\bullet}-dB(A)$	91.7	96.9		98.7	99.1		95.7*	100.9*	99.6
		OASPL-dB	104.8	111.6*		111.8	113.0		109.7*	115.1*	112.4
72	BC-5	$L_A - dB(A)$	101.3	107.7		110.7	111.4		100.2*		109.9
+		OASPL-dB	111.8	116.1		118.8	120.4		115.6*		118.2
70	BC-6	$L_1 - dB(A)$	116.0*	124.1	125.9	126.2	124.5		121.5*		125.3
		OASPL-dB	124.2*	129.2*	128.0	128.5	127.3		134.6*	128.5	129.2
71	BC-61	L,-dB(A)	118.9	129.3	131.5	131.5	129.4		123.7	129.8	130.0
		OASPL-dB		133.8*		132.8	131.5		135.9*		132.0
74**	BC-7	$L_{A}-dB(A)$	87.7	88.9*	1	89.0	91.7			100.5*	95.7*
•		OASPL-dB	97.7	106.5*	99.7	102.2*	105.6		101.6*	1	108.8*

^{*}Higher "R" values

Linear- and A-weighted Overall Noise Levels from Analog Data-analysis

^{**}Windmilling

BASIC PROCRAM, SQUARE-TIP PROP. (2)

DNW PROPELLER NOISE TEST

Run	un Data In-Flow Noise Level										
	Point		Ml	M2	м3	M4	M5	М6	M7	M8	М9
				00.	1		0.0		000		0, 0
117	CC-1	$L_A - dB(A)$	87.4	89.7	90.9	91.3	91.9	91.1	89.0	90.1	91.8
		OASPL-dB	103.8	106.4	107.7	108.9	109.8	109.0	106.1	109.3	109.2
118	CC-2	$L_A - dB(A)$	93.3	98.3	100.8	101.7	102.1	100.7	94.9	100.1	100.6
		OASPL-dB	107.2	112.5	114.4	115.9	116.9	116.7	112.7	113.8	113.4
119	CC-3	$L_A - dB(A)$	88.6	90.0	90.9	92.1	94.0	93.4	93.4*	,	ł
	ļ .	OASPL-dB	102.9	105.2	106.5	107.7	109.7	108.9	106.4*	1	110.4
120	CC-4	$L_A-dB(A)$	92.7	97.8	99.8	100.7	101.5	100.2	96.6*	102.9*	100.3
		OASPL-dB	107.5	112.1	113.1	114.4	115.8	116.0	114.1*	117.1*	113.6
121	CC-7	$L_A-dB(A)$	97.4	103.4	105.8	106.8	107.7	105.5	99.2	107.0*	105.4
		OASPL-dB	111.5	116.0	117.2	118.1	119.1	118.6	116.8*	119.5	116.6
123	CC-5	$L_A-dB(A)$	102.3	108.5	111.2	111.7	112.3	109.1	107.7*	111.8	110.2
		OASPL-dB	113.6	118.4*	118.7	119.9	121.7	121.3	123.1*	121.5	120.7
122**	CC-6	$L_A-dB(A)$	87.5	87.5	87.9	89.6	92.6	92.1	92.9*	100.8*	94.0
	1	o Â SPL-dB	98.0	102.8*		100.9	105.4	103.8	102.6*	114.9*	107.1
115	DC-1	$L_{A}-dB(A)$	91.5	95.7	94.7	95.6	96.5	95.9	94.2	94.2	95.7
		OASPL-dB	104.7	108.8	110.3	111.9	113.2	113.2	110.6	111.8	112.7
111	DC-2	$L_A-dB(A)$	91.1	97.2	94.0	95.3	97.0	95.7	95.5*	102.0	96.5
		OASPL-dB	106.1	110.6*	111.0	112.6	113.9	112.8	111.3*	115.9*	112.8
114	DC-3	$L_{A}-dB(A)$	96.7	104.6	102.5	104.0	105.6	103.7	107.6*	107.5	104.0
	-	OASPL-dB	109.5	116.6	116.7	118.0	119.7	118.8	119.4*	120.6	118.9
113**	DC-4	$L_A - dB(A)$	87.6	95.5	87.8	89.4	92.4	90.8	92.7*		
		OASPL-dB	97.0	105.2*		100.5	105.3	103.6	105.8*	113.6	107.3
	1 1 1		<u> </u>								

^{*}Higher "R" values
**Windmilling

Linear- and A-weighted Overall Noise Levels from Analog Data-analysis

5. Acoustic Pressure-time Histories and Narrow-band Spectra

Acoustic data as presented in this section have been derived from a computer analysis of digitized analog tape-readings. For each data-point and microphone position respectively the data were processed and are presented in two different ways:

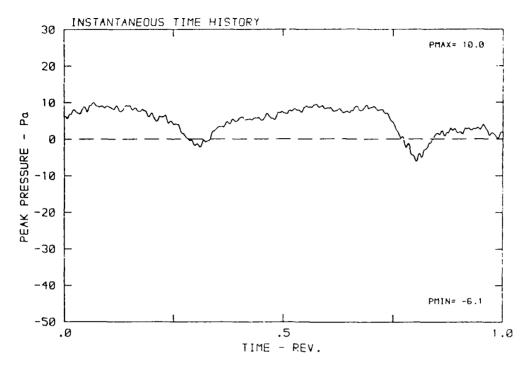
a) A single instantaneous pressure-time history is presented and labeled "Instantaneous Time History" together with a power spectrum which had been calculated as an energy average of individual power spectra corresponding to a certain number of instantaneous pressure-time histories. This spectrum is labeled "Average (xx) Power Spectrum". The "xx" in the lable denotes the number of time histories averaged in that particular spectrum.

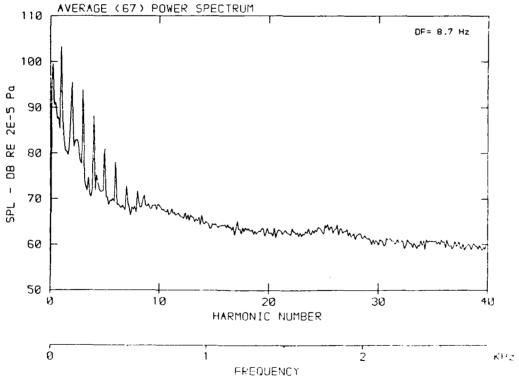
b) A certain number of instantaneous pressure-time histories is averaged in the time-domain and the resulting pressure averaged time-history is labeled "Average (xx) Time History". The "xx" in the label denotes the number of averaged instantaneous time-histories.

The value of ΔP in the brackets behind this label denotes the maximum peak-to-peak pressure amplitude difference in %, when referenced to the minimum peak-to-peak pressure amplitude difference as detected in the "xx" instantaneous time histories. The magnitude of ΔP can be taken as indicator to judge the stationarity (quality) of the respective data-record. If the value of ΔP is in excess of 496% respective data are marked with a triple star (***) to indicate that the data are heavily distorted.

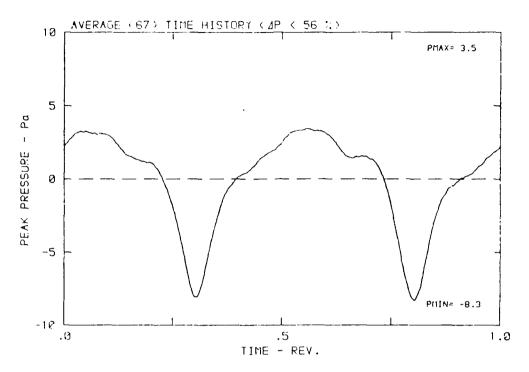
From the pressure-averaged time-history a pressure level spectrum is calculated and labeled "Power Spectrum of Averaged Time History".

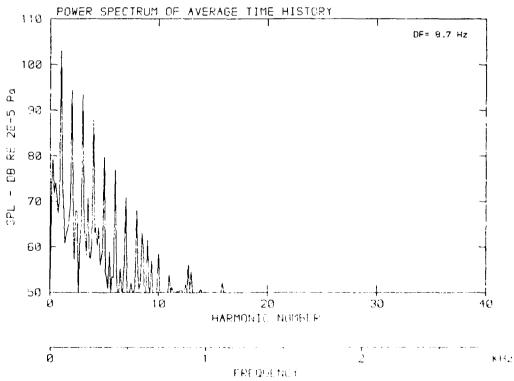
β: 21.6° MH: .6760 n: 2100 rpm \sqrt{u} : .242 φ: .0° T: 287.7 κ



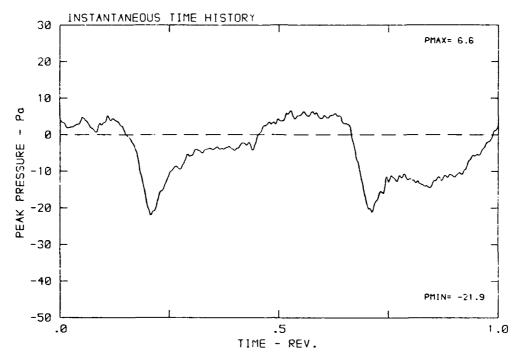


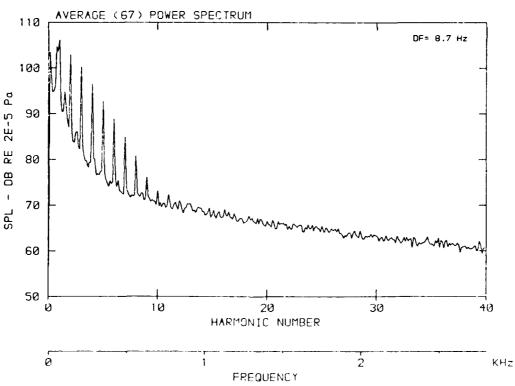
 $\beta\colon\,21.6^{\circ}\,$ MH: .6760 n: 2100 rpm $\,$ v/u: .242 $\,$ $\varphi\colon\,.0^{\circ}\,$ T: 287.7 K



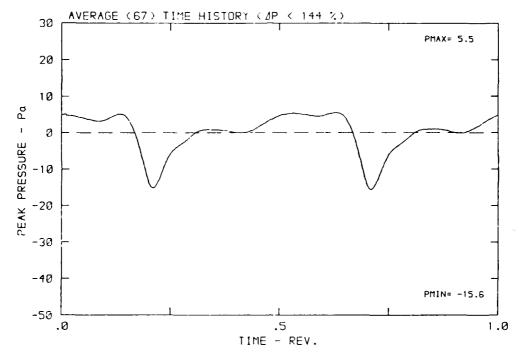


 β : 21.6° MH: .6760 n: 2100 rpm v/u: .242 ϕ : .0° T: 287.7 K

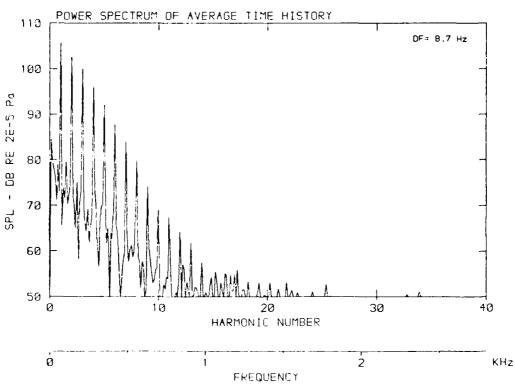




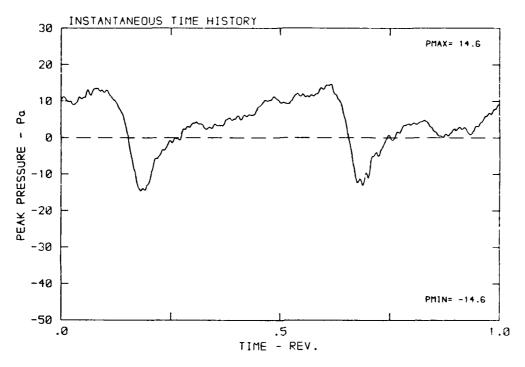
 β : 21.6° MH: .6760 n: 2100 rpm v/u: .242 ϕ : .0° T: 287.7 K

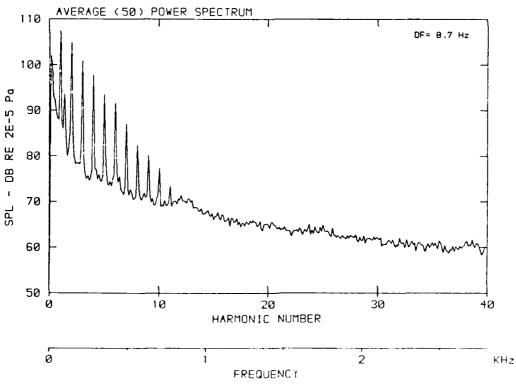


1900) 1777/7466 1766/7400 1866/7467 1866/7467 1866/7467

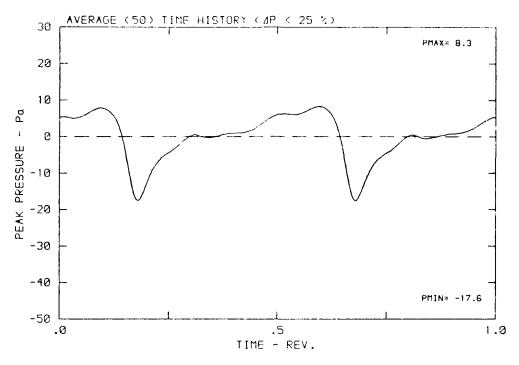


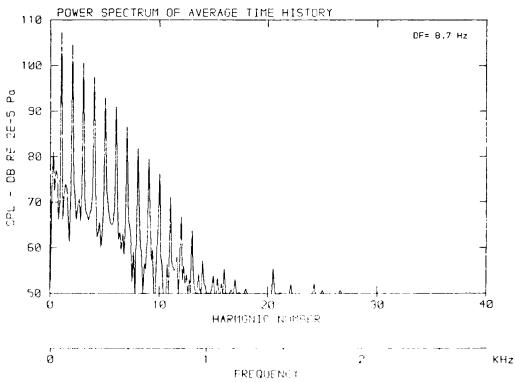
 β : 21.6° MH: .6760 n: 2100 rpm v/u: .242 ϕ : .0° T: 287.7 K



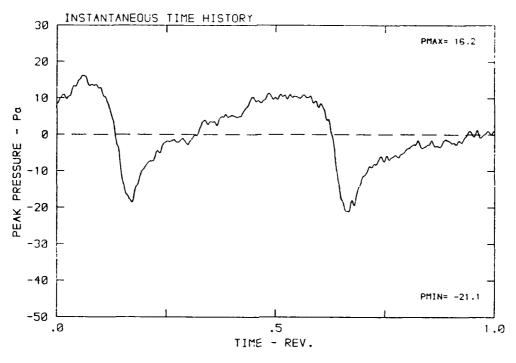


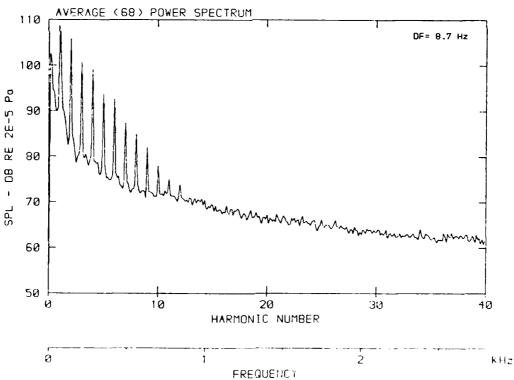
 $\beta\colon\,21.6^{\circ}\,$ MH: .6760 n: 2100 rpm v/u: .242 $\psi\colon\,.0^{\circ}\,$ T: 287.7 K



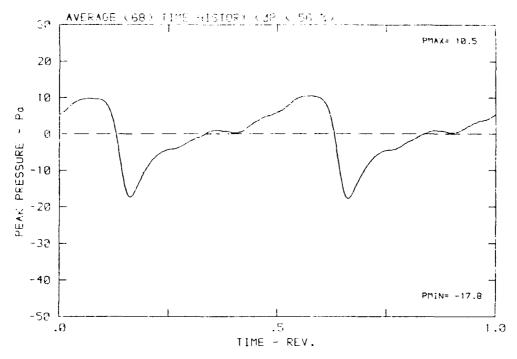


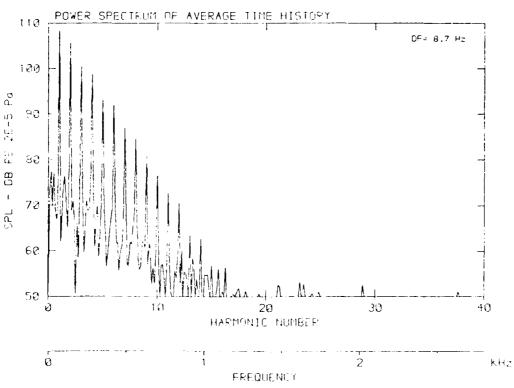
 $\beta\colon\,21.6^{\circ}\,$ MH: .6760 n: 2100 npm $\,$ v/u: .242 $\,$ $\varphi\colon\,.0^{\circ}\,$ T: 287.7 K



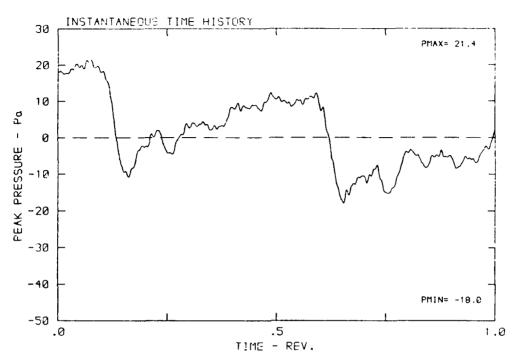


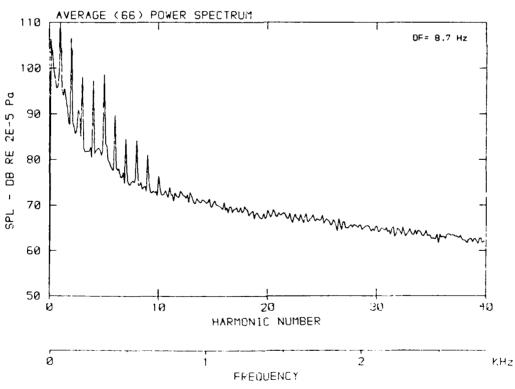
β: 21.6° MH: .6760 n: 2100 npm v/u: .242 φ: .0° T: 287.7 k



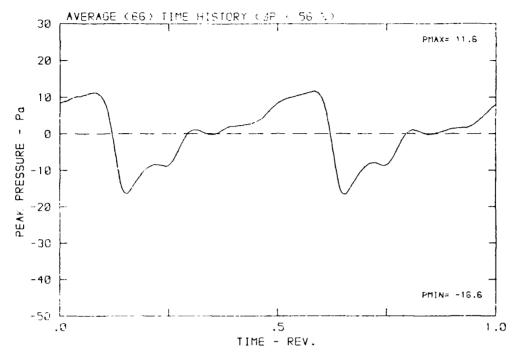


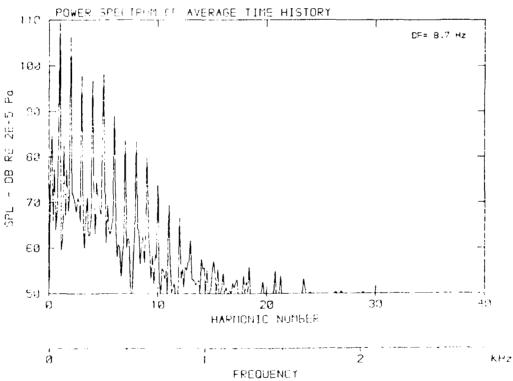
β: 21.6° MH: .6760 n: 2180 npm - v/u: .242 - ψ: .0° - T: 287.7 K



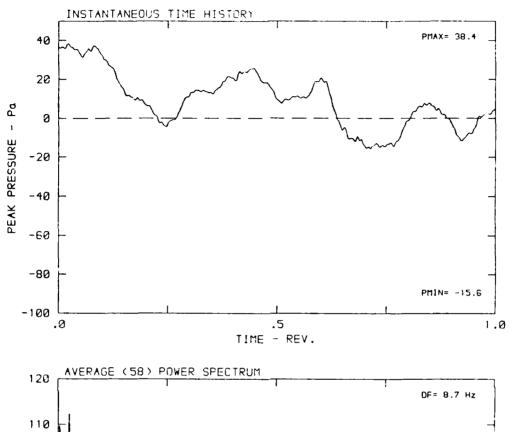


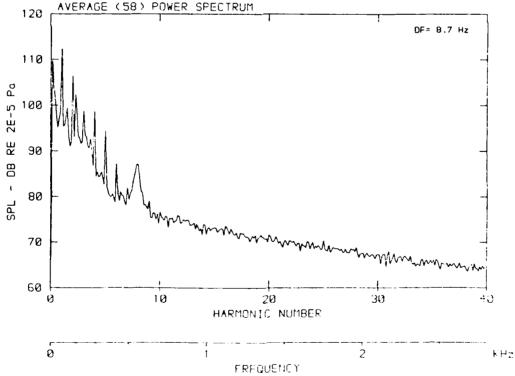
 β : 21.6° MH: .6760 n: 2100 npm V/U: .242 ϕ : .0° T: 287.7 K





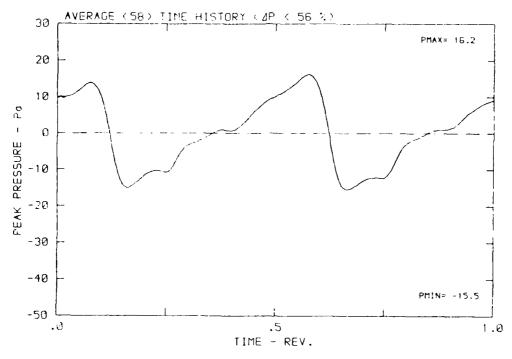
β: 21.6° MH: .6760 n: 2100 npm v/u: .242 φ: .0° T: 287.7 K

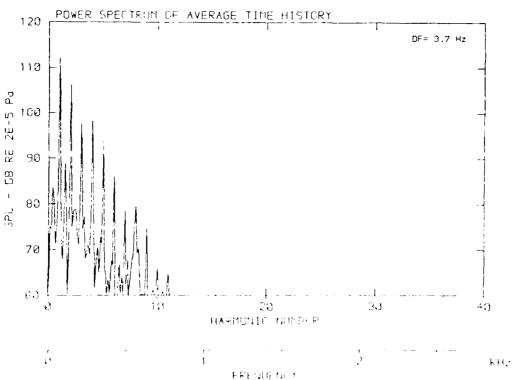




ssisse ressissin processe browns wereseen

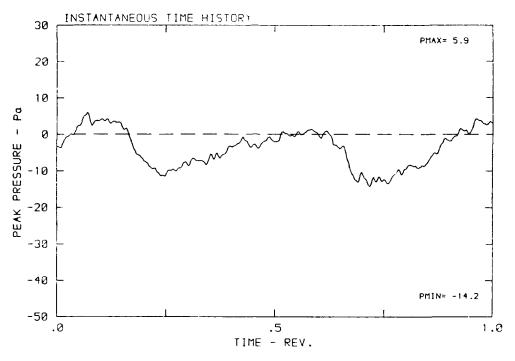
 $\beta\colon\thinspace21.6^{o}$ MH: .6760 n: 2100 rpm v/u: .242 $\varphi\colon\:.0^{o}$ T: 287.7 K

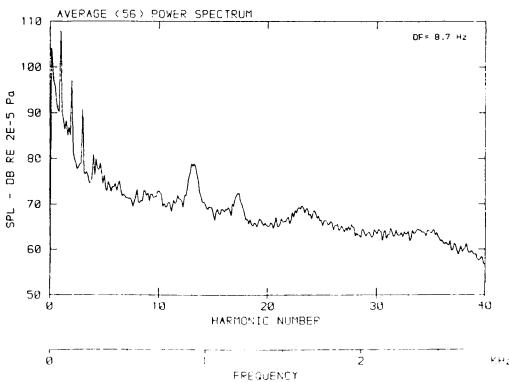




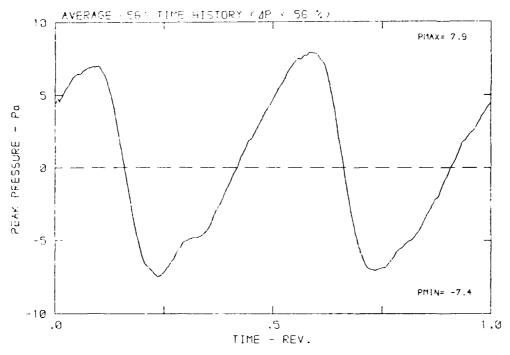
PARAMETER SOCIETATION OF THE SOC

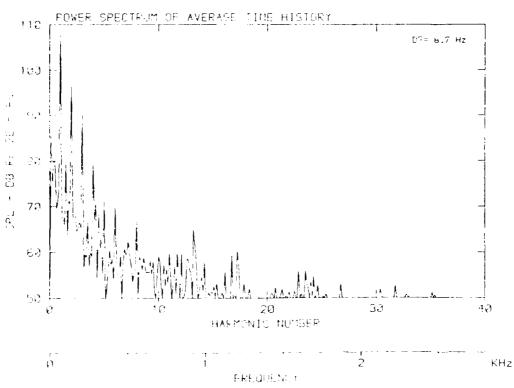
β: 21.6° MH: .6760 n: 2100 npm γ/u: .242 φ: .0° T: 267.7 K



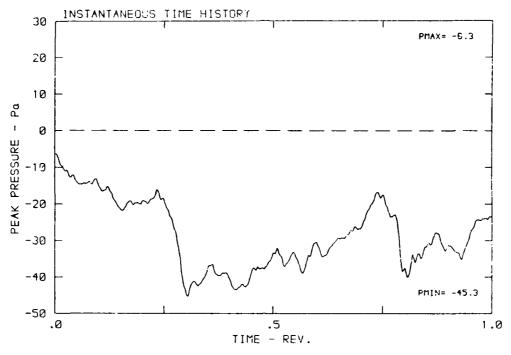


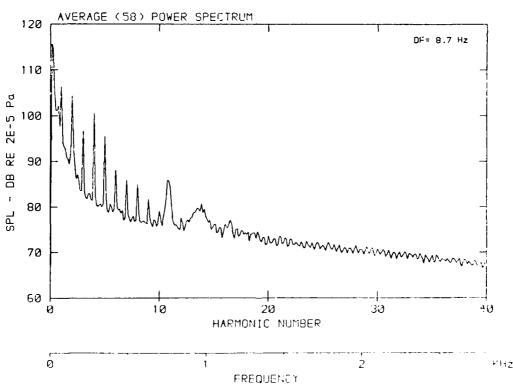
 β : 21.5° MH: .6760 n: 2100 npm v/u: .242 ϕ : .0° T: 287.7 K



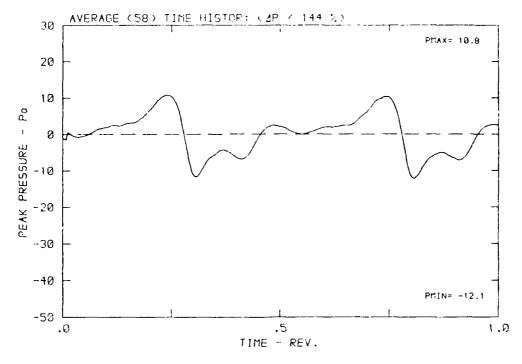


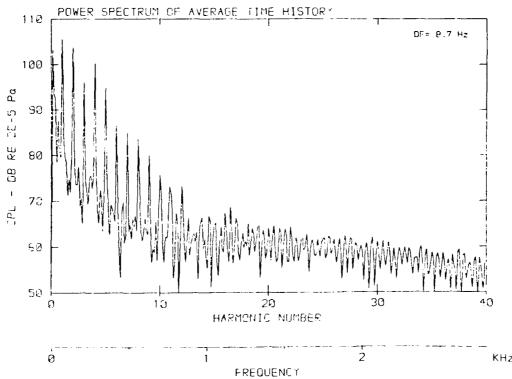
 β : 21.6° MH: .6760 n: 2100 rpm v/u: .242 ϕ : .0° T: 287.7 k



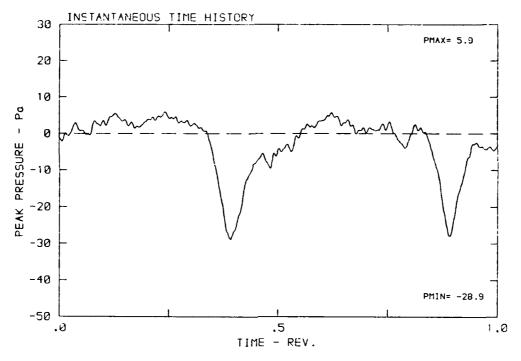


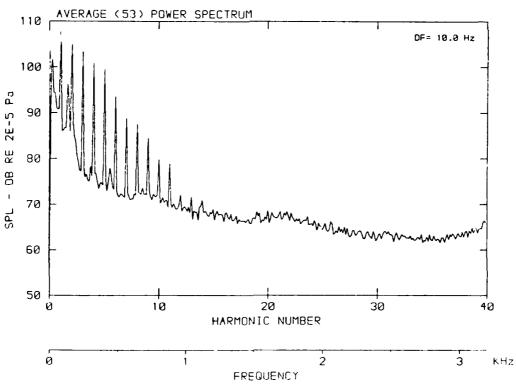
 β : 21.6° MH: .6760 n: 2100 rpm v/u: .242 ϕ : .0° T: 287.7 K





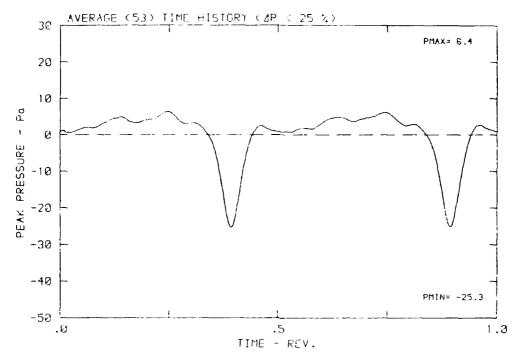
 $\beta: 21.6^{\circ}$ MH: .7719 n: 2400 npm v/u: .240 $\phi: .0^{\circ}$ T: 287.9 K

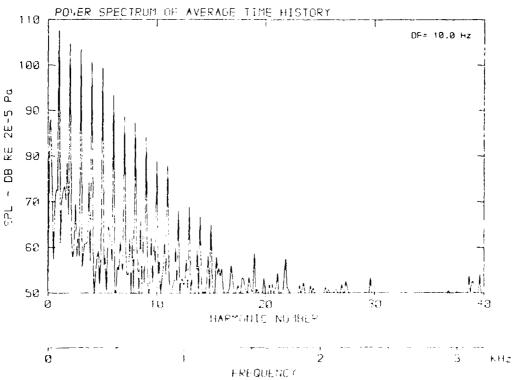




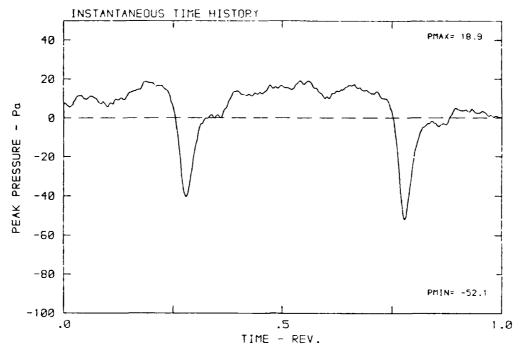
SECRECE DIVIDION SUPPLIES DESCRIPTION DIVIDION IN

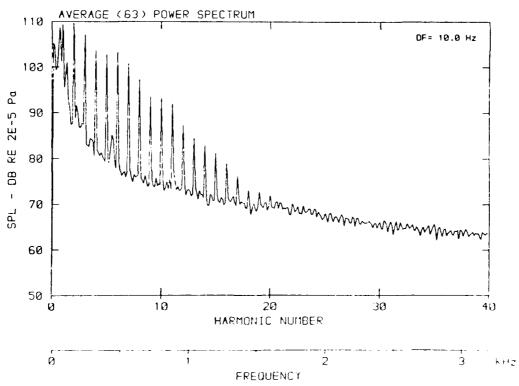
β: 21.6° MH: .7719 n: 2400 rpm v/u: .240 φ: .0° T: 287.9 K



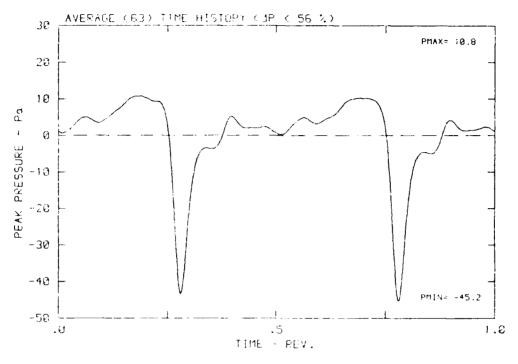


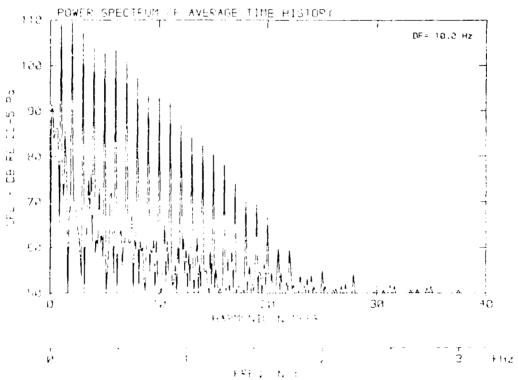
β: 21.6° MH: .7719 n: 2400 npm γ/u: .240 φ: .0° T: 387.9 F



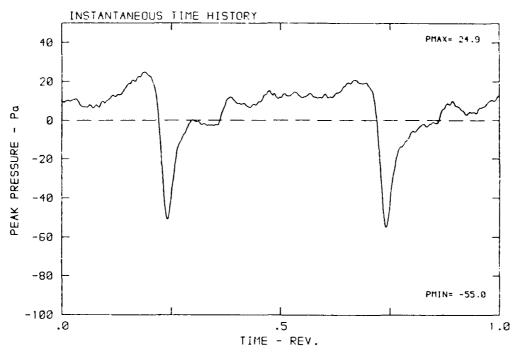


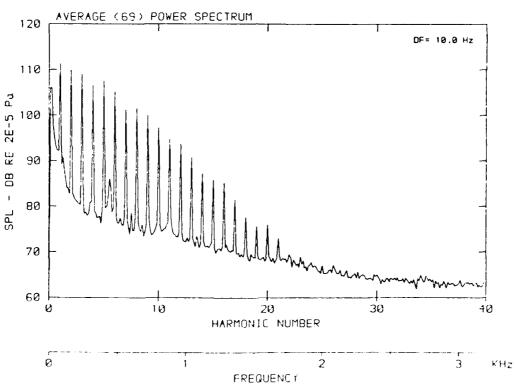
β: 21.6° MH: .7719 n: 2400 rpm v/u: .240 φ: .0° T: 287.9 K



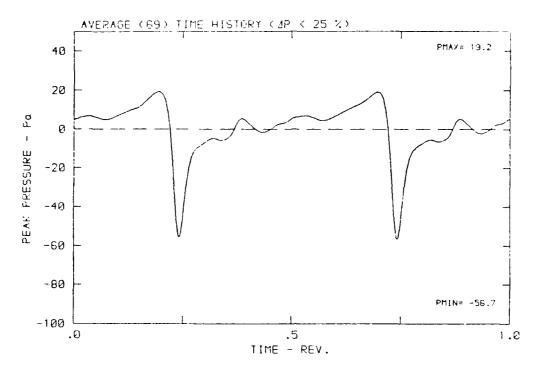


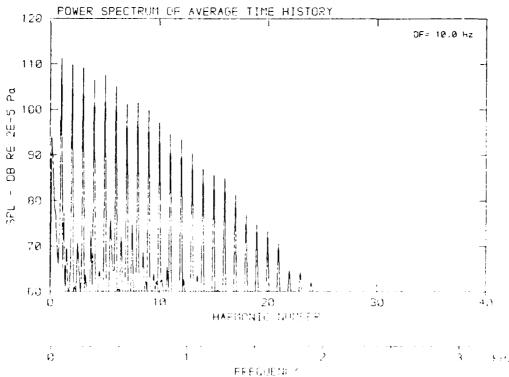
β: 21.6° MH: .7719 n: 2400 cpm v/u: .240 φ: .0° T: 297.9 +



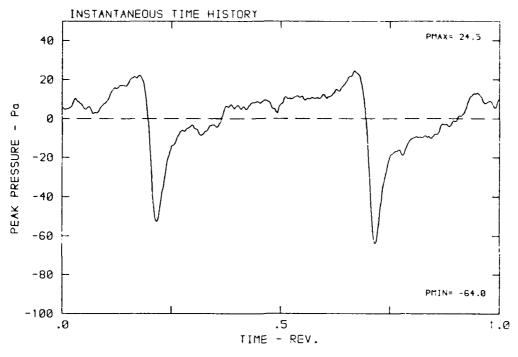


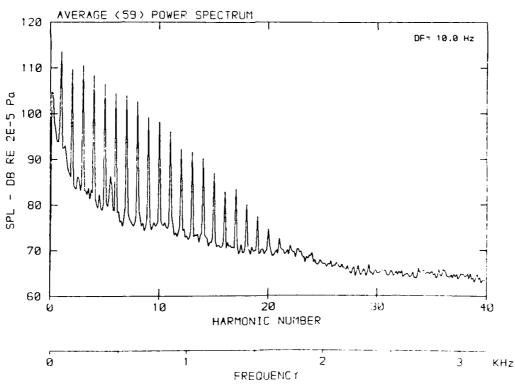
 β : 21.6° MH: .7719 n: 2400 rpm v/u: .240 ϕ : .0° T: 287.9 K



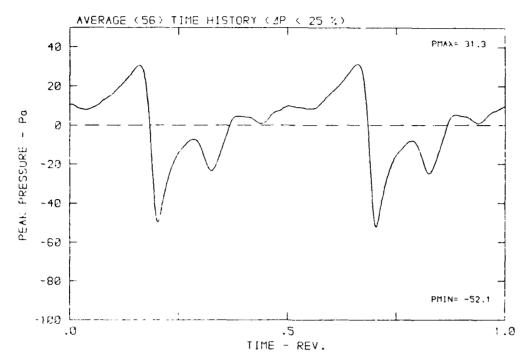


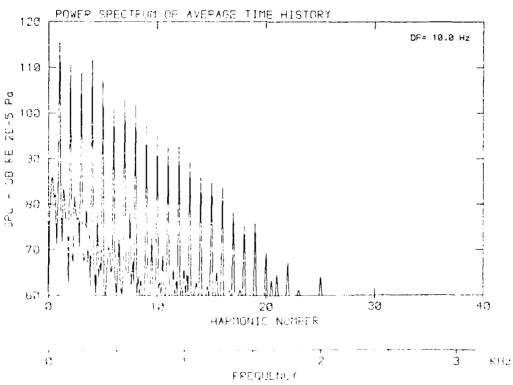
 β : 21.6° MH: .7719 n: 2400 npm v/u: .240 ϕ : .0° T: 287.9 K



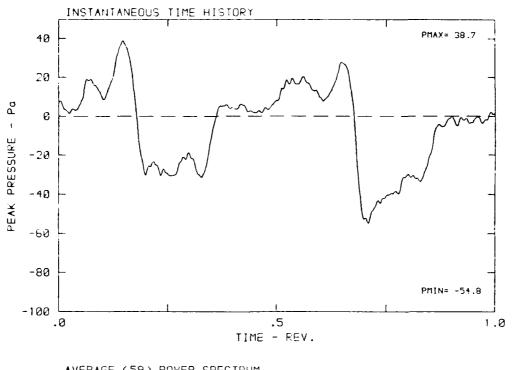


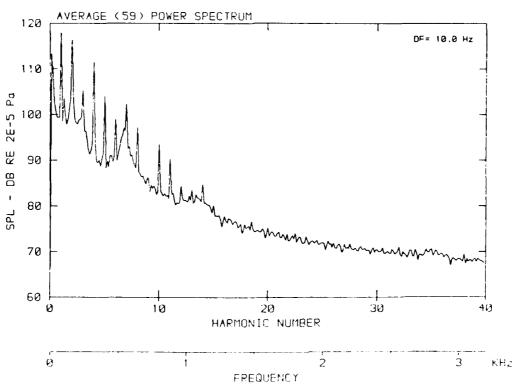
 $\beta\colon\,21.6^{\circ}\,$ MH: .7719 n: 2400 rpm $\text{v/u}\colon\,.240\,$ $\varphi\colon\,.0^{\circ}\,$ T: 287.9 K



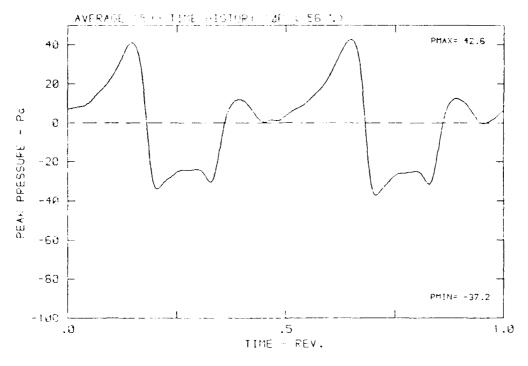


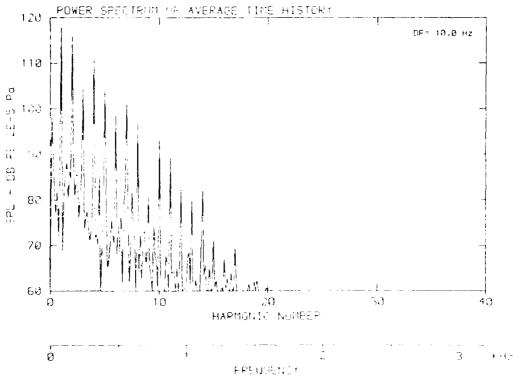
β: 21.6° MH: .7719 h: 2400 hpm - v-u: .240 - φ: .0° T: 167.0 k



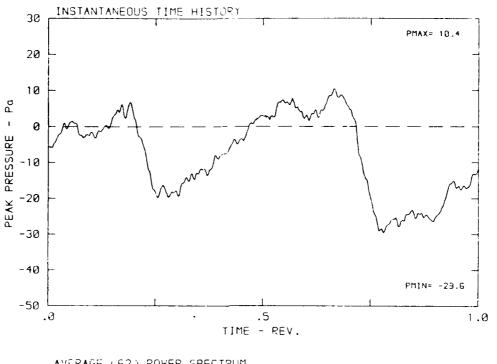


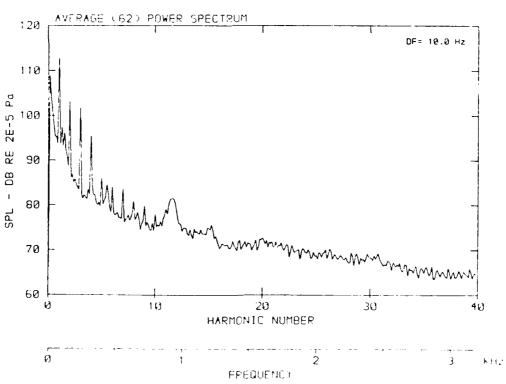
β: 21.6° MH: .7719 κ: 24∂0 γpm γ/u: .240 φ: .0° T: 287.9 K



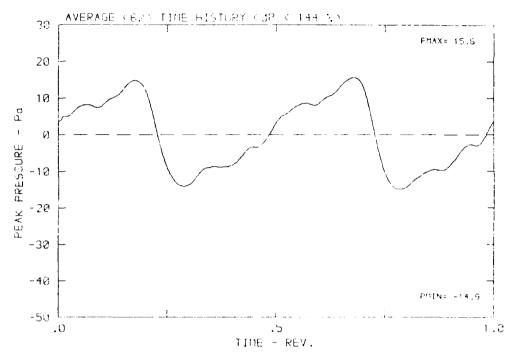


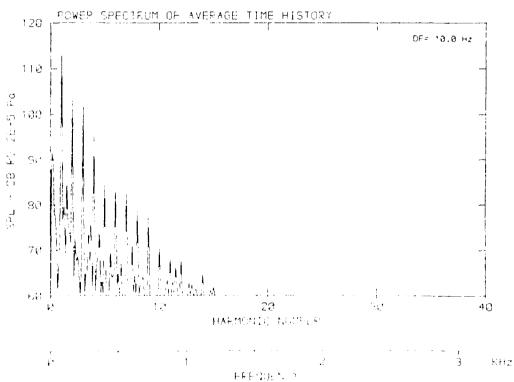
β: 21.6° MH: .7719 n: 2400 npm γ/α: .240 φ: .0° T: 267.9 K



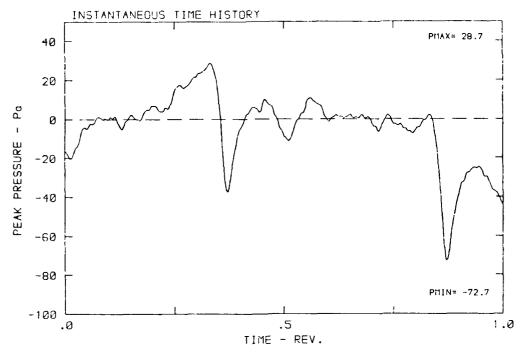


 β : 21.6° MH: .7719 n: 2400 rpm v/u: .240 ϕ : .0° T: 287.9 K

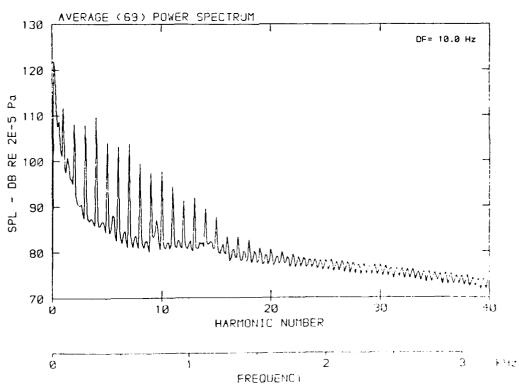




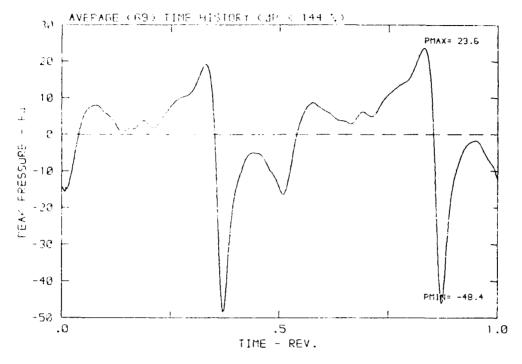
 $\beta\colon\thinspace 21.6^{\circ}$ MH: .7719 n: 2400 rpm y/u: .240 $\psi\colon\:.0^{\circ}$ T: 257.3 Y

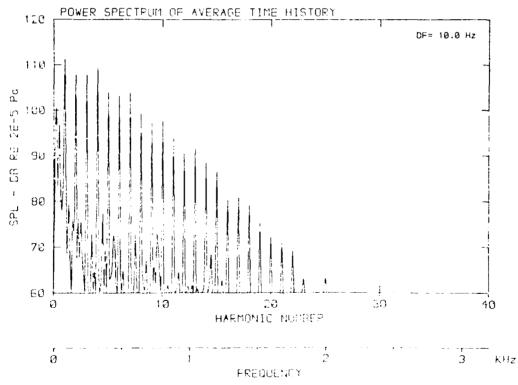


NAMES OF THE PARTY OF THE PARTY

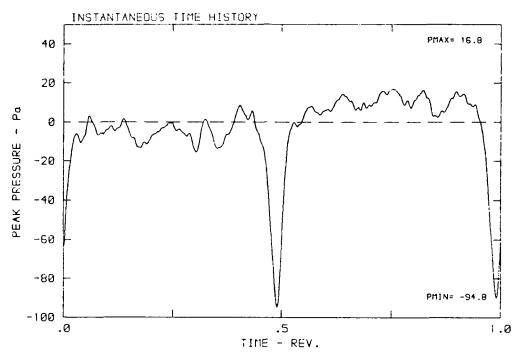


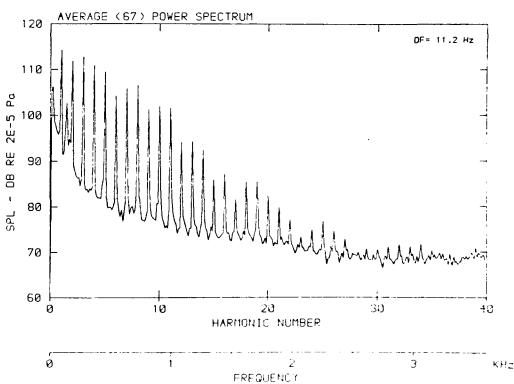
β: 21.6° MH: .7719 n: 2400 rpm v/u: .240 φ: .0° T: 287.9 K



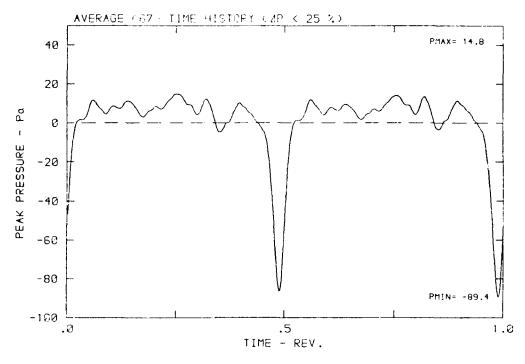


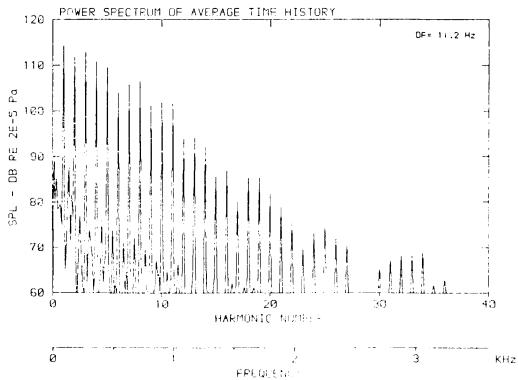
 β : 21.6° MH: .8684 n: 2700 npm v/u: .242 ϕ : .0° T: 288.2 K



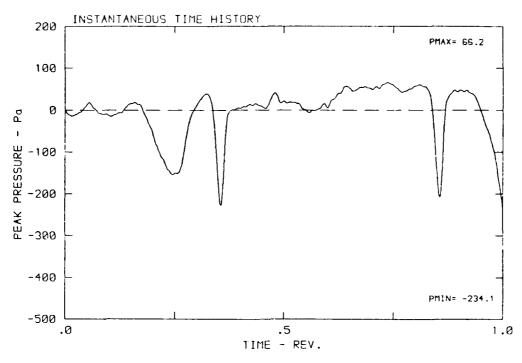


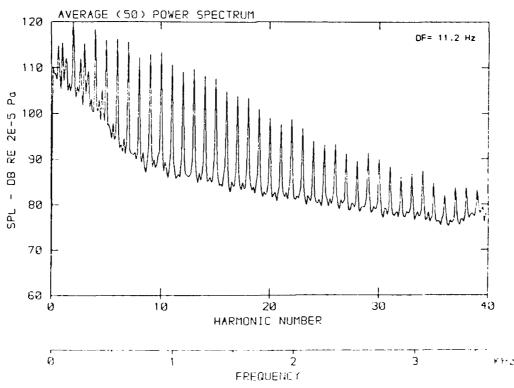
 $\beta\colon\,21.6^{\circ}\,$ MH: .8694 n: 2700 rpm v/u: .242 $\varphi\colon\,.0^{\circ}\,$ T: 288.2 K



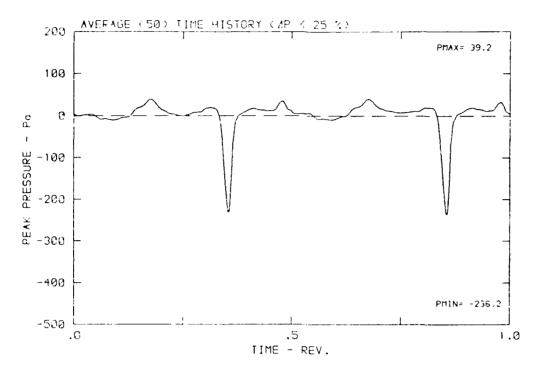


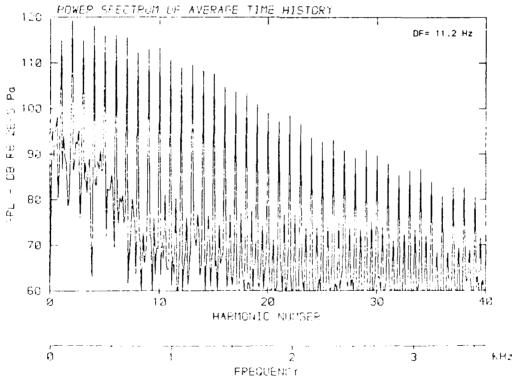
 β : 21.6° MH: .8684 n: 2700 rpm v/u: .242 ϕ : .0° T: 288.2 k



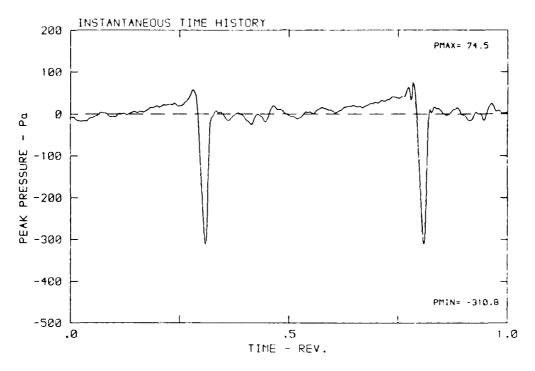


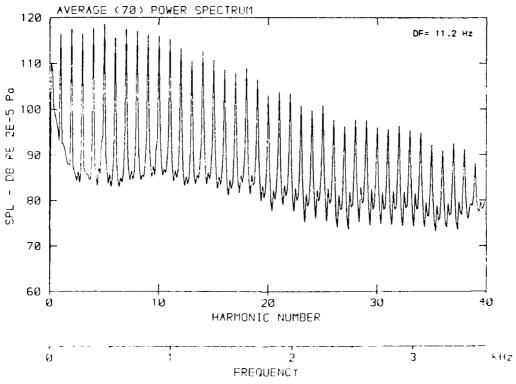
 β : 21.6° MH: .8684 n: 2700 rpm v/u: .242 ϕ : .0° T: 288.2 K



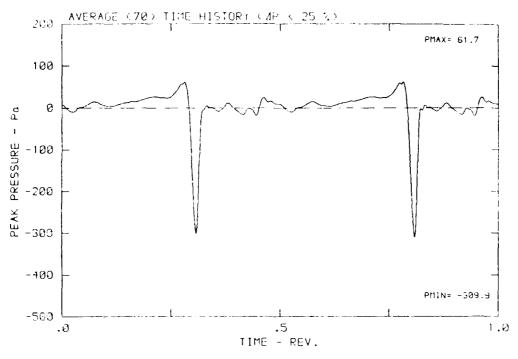


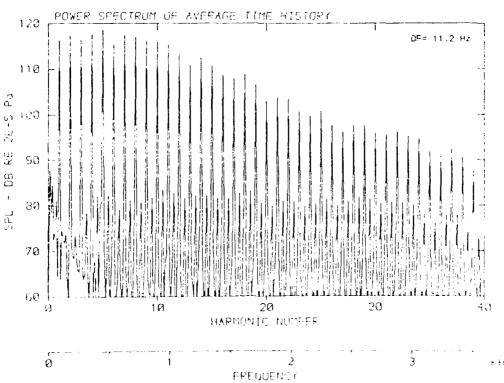
 $\beta\colon\thinspace21.6^{\circ}$ MH: .8684 n: 2700 npm v/u: .242 $\varphi\colon\:.0^{\circ}$ T: 288.2 K



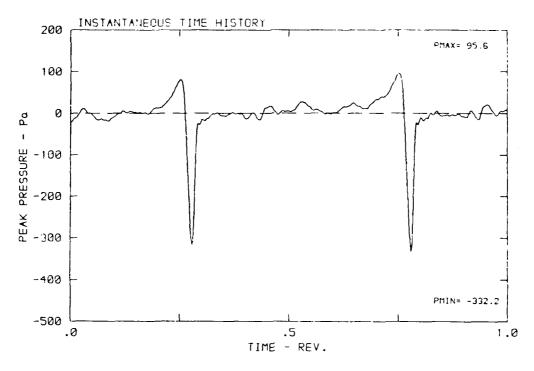


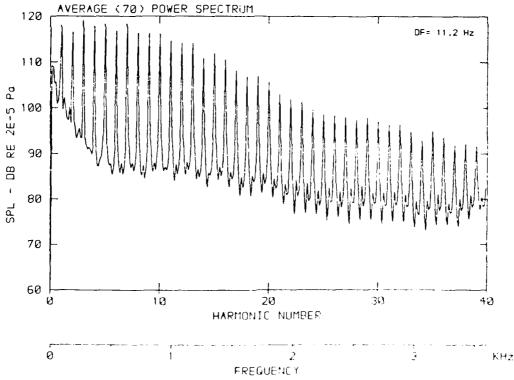
 $\beta\colon\,21.6^{\circ}\,$ MH: .8684 n; 2700 rpm v/u: .242 $\varphi\colon\,.0^{\circ}\,$ T: 288.2 /



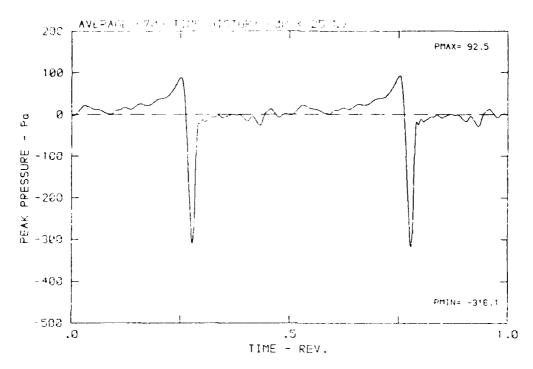


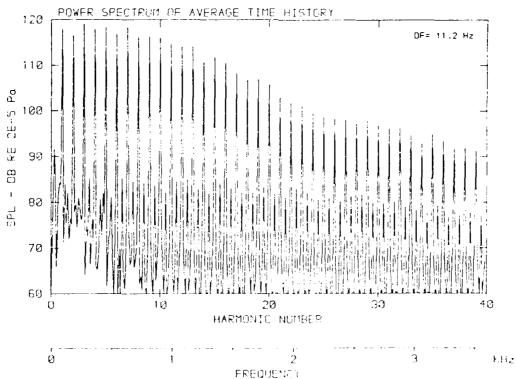
β: 21.6° MH: .8684 n: 2700 rpm νzu: .242 φ: .0° T: 285.2 K



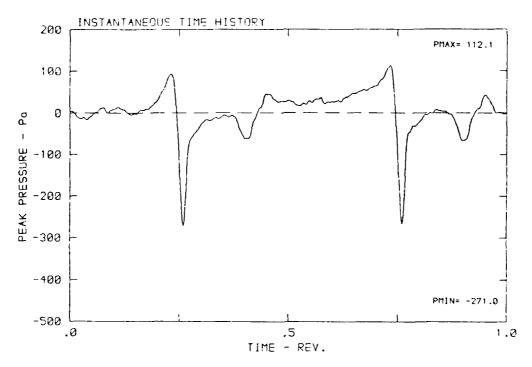


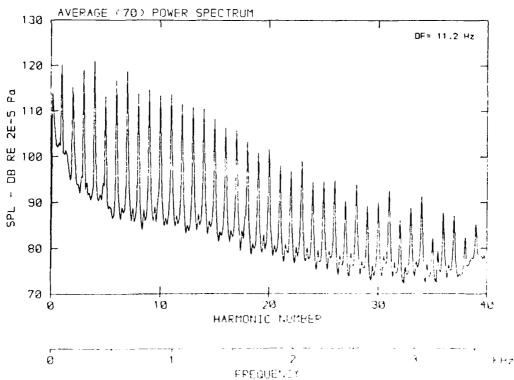
 β : 21.6° MH: .8684 n: 2700 rpm v/u: .242 ϕ : .0° T: 288.2 K



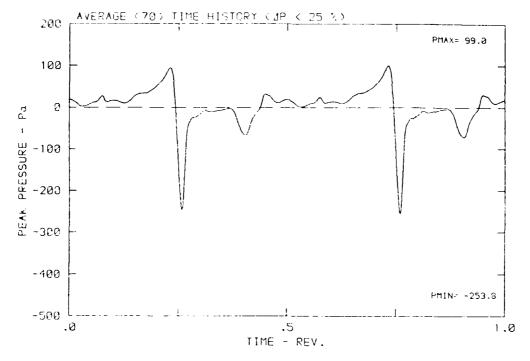


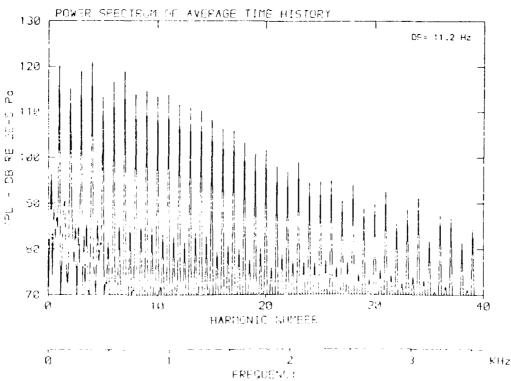
 β : 21.6° MH: .8684 n: 2700 rpm v/u: .242 ϕ : .0° T: 288.2 K



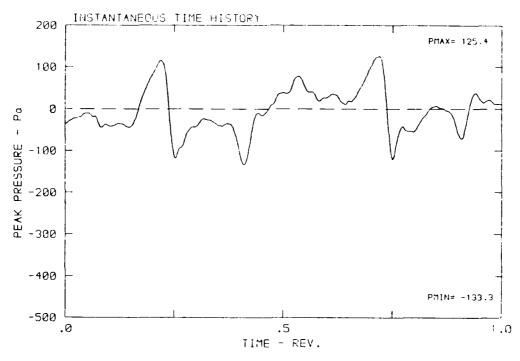


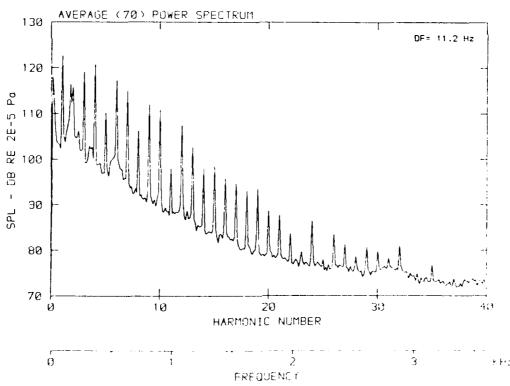
 β : 21.6° MH: .868+ n: 2700 rpm v/u: .242 ϕ : .0° T: 288.2 K



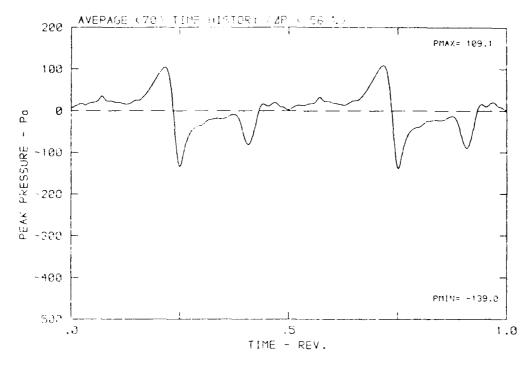


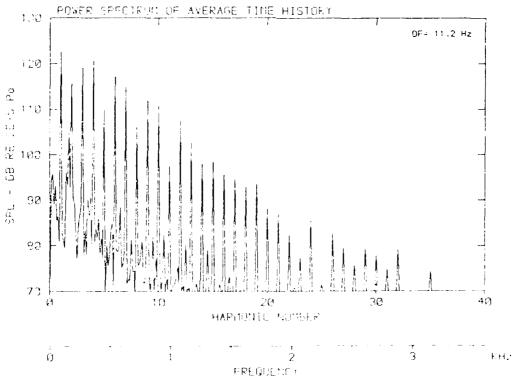
β: 21.6° MH: .8684 n: 2700 rpm v/u: .242 φ: .0° T: 288.2



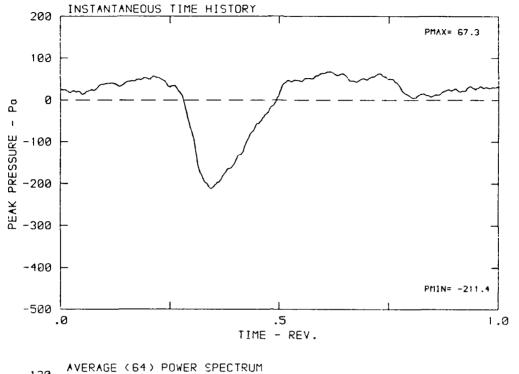


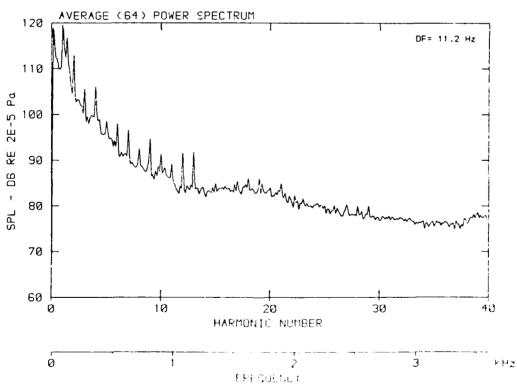
 β : 21.6° MH: .8684 n: 2700 npm v/u: .242 ϕ : .0° T: 238.2 K



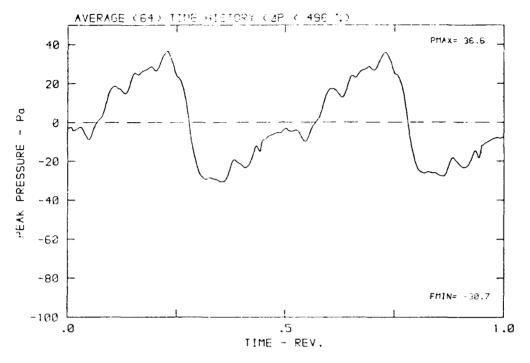


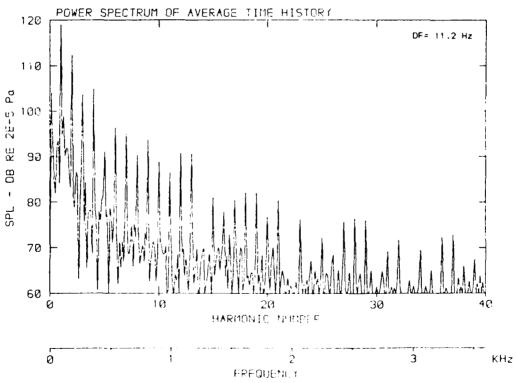
β: 21.6° MH: .8684 n: 2700 rpm v/u: .242 φ: .0° T: 288.2 γ



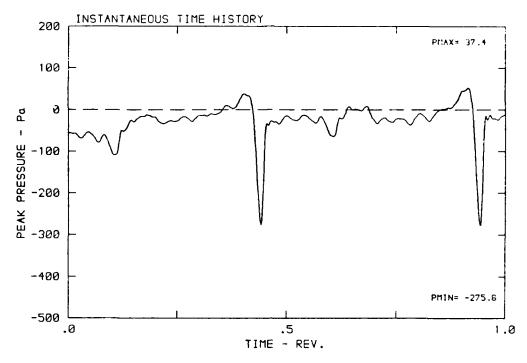


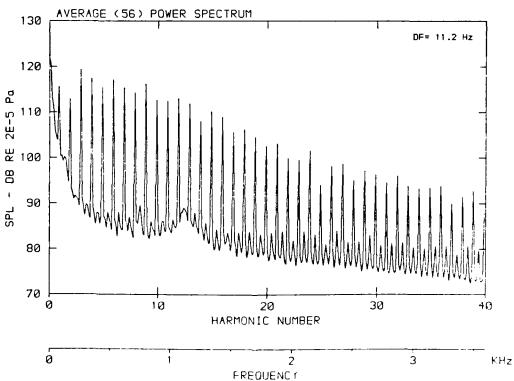
 β : 21.6° MH: .8684 n: 2700 npm v/u: .242 ϕ : .0° T: 288.2 K



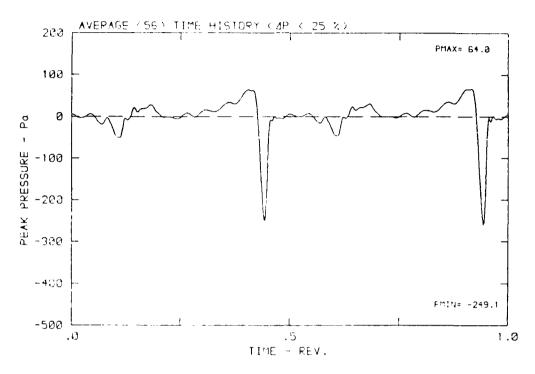


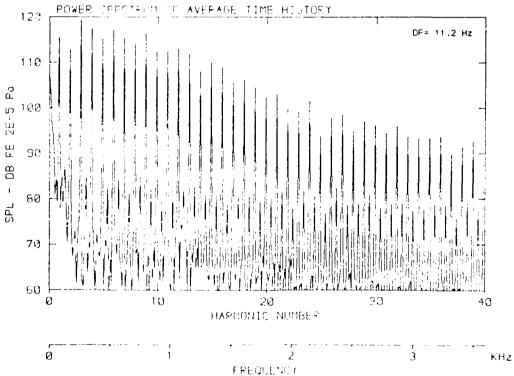
 β : 21.6° MH: .8684 n: 2700 rpm v/u: .242 ϕ : .0° T: 289.2 K



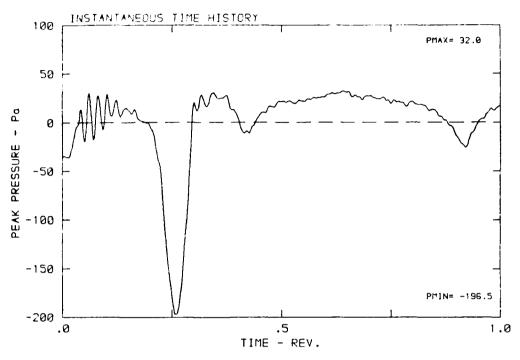


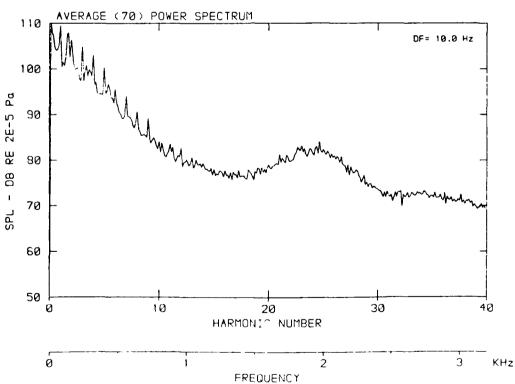
β: 21.6° MH: .8684 n: 2700 rpm v/u: .242 φ: .0° T: 288.2 K



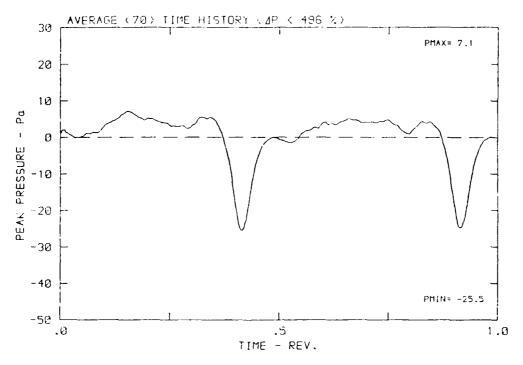


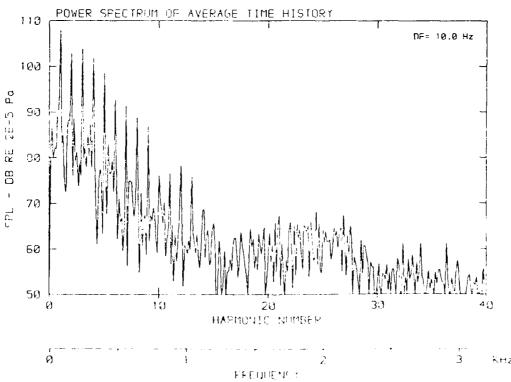
β: 21.6° MH: .7850 n: 2400 rpm γ/u: .302 φ: .0° T: 287.2 κ



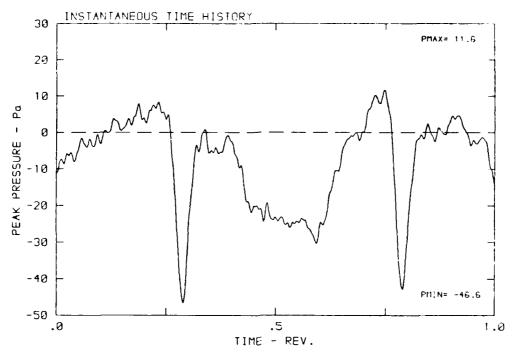


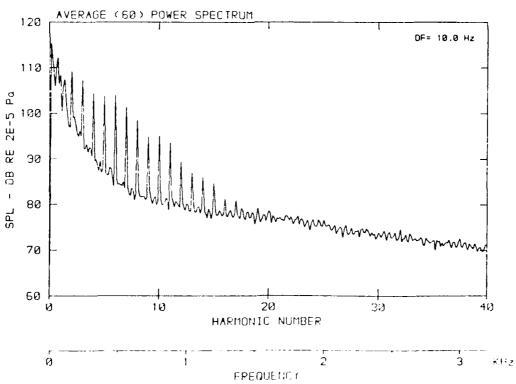
 $\beta\colon\,21.6^{\circ}\,$ MH: .7850 n: 2400 rpm v/u: .302 $\varphi\colon\,.0^{\circ}\,$ T: 287.2 K



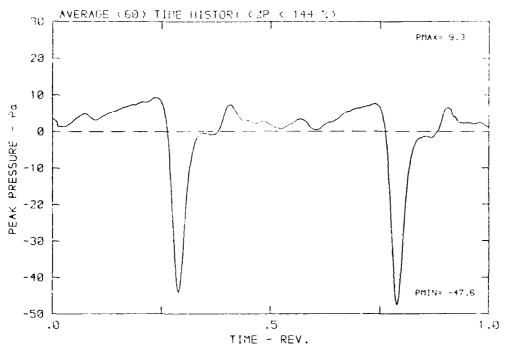


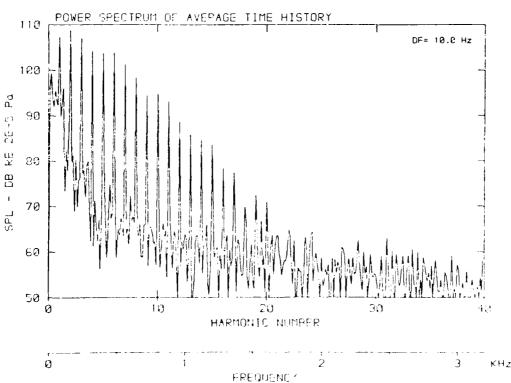
β: 21.6° MH: .7850 n: 2400 rpm γ/u: .302 φ: .0° Τ: 397.3 r



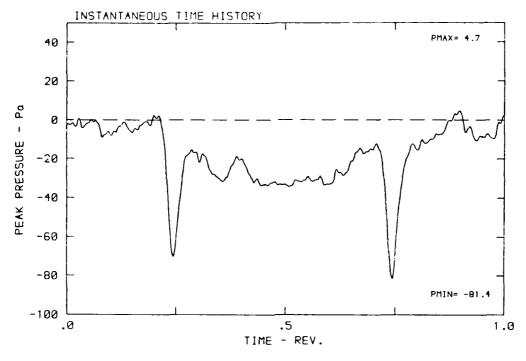


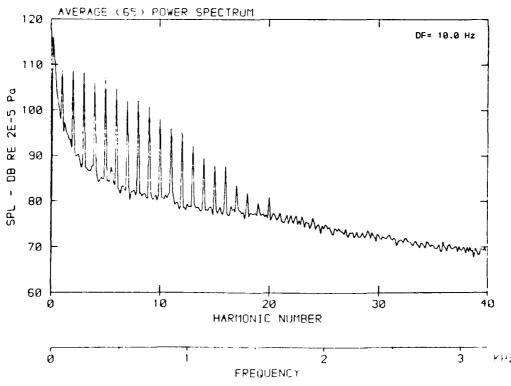
 $\beta\colon\,21.6^{\circ}\,$ MH: .7850 n: 2400 npm v/u: .302 $\varphi\colon\,.0^{\circ}\,$ T: 287.2 K



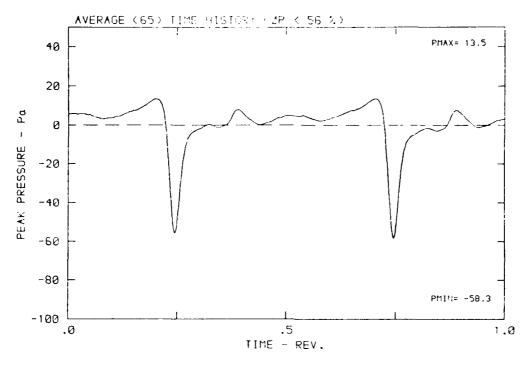


β: 21.6° MH: .7850 n: 2400 rpm ν/u: .302 ψ: .9° T: 267.2 K

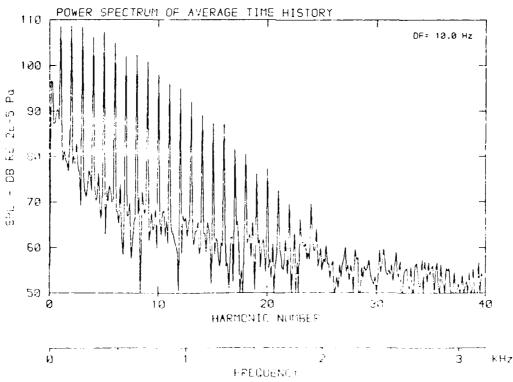




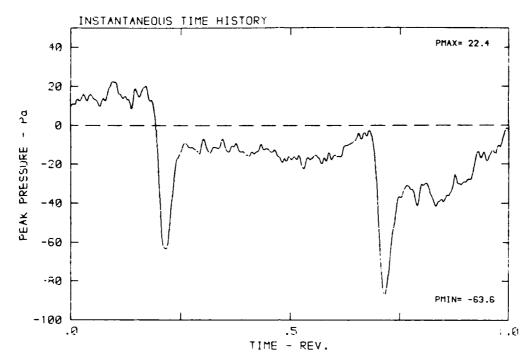
 $\beta\colon\,21.6^{\circ}\,$ MH: .7850 n: 2400 npm $\,$ v/u: .302 $\,$ $\varphi\colon\,.0^{\circ}\,$ T: 287.2 K

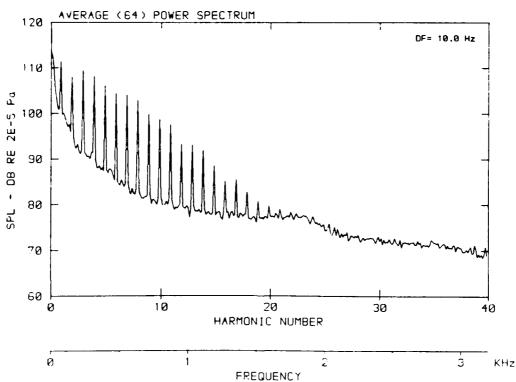


THE PROPERTY OF PARTY SERVICES CONTINUES.

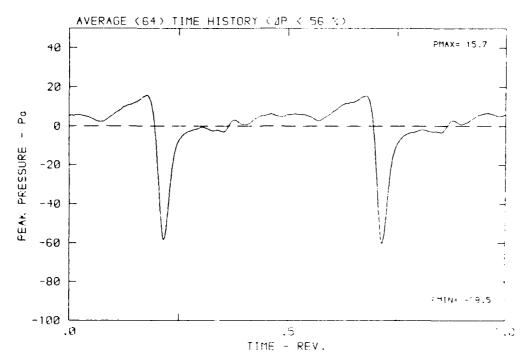


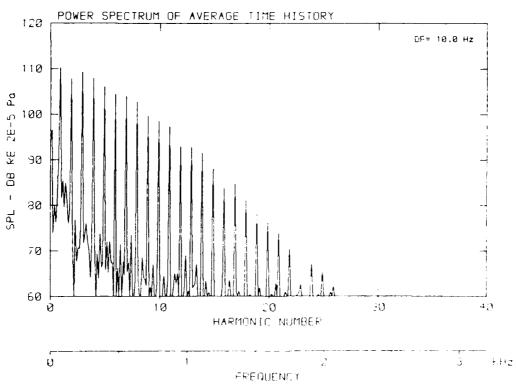
 $\beta\colon\,21.6^{\circ}\,$ MH: .7850 n: 2400 rpm v/u: .302 $\varphi\colon\,.0^{\circ}\,$ T: 287.2 K



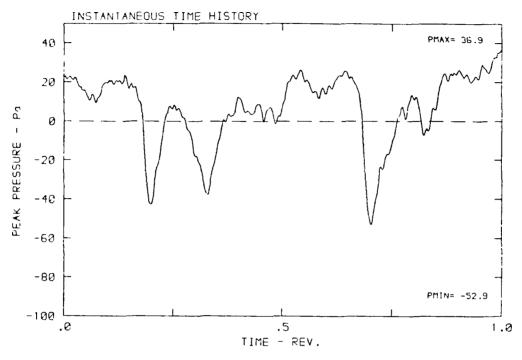


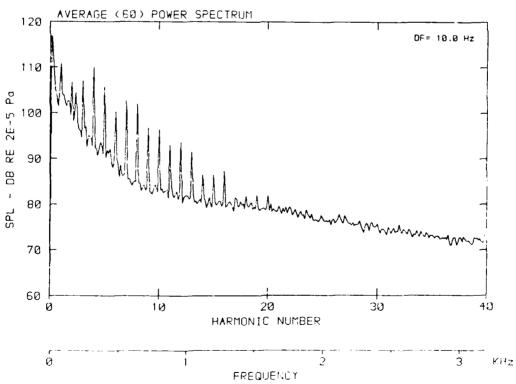
 β : 21.6° MH: .7850 n: 2400 rpm v/u: .302 ϕ : .0° T: 287.2 K



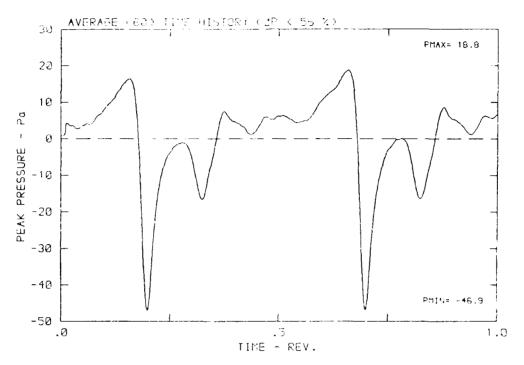


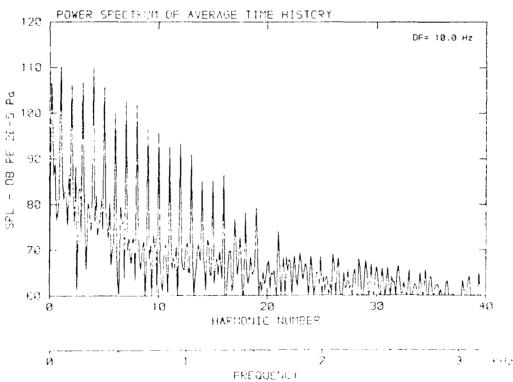
 $\beta\colon\,21.6^{\circ}\,$ MH: .7850 n: 2400 rpm v/u: .302 $\,\psi\colon\,.0^{\circ}\,$ T: 287.2 K



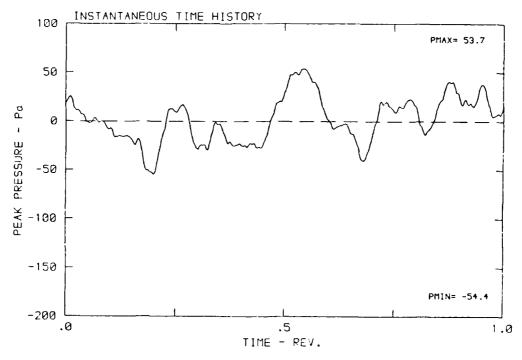


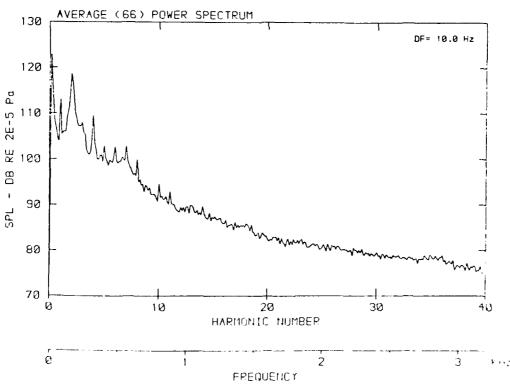
β: 21.6° MH: .7850 n: 2400 rpm γ/u: .302 φ: .0° T: 287.2 K



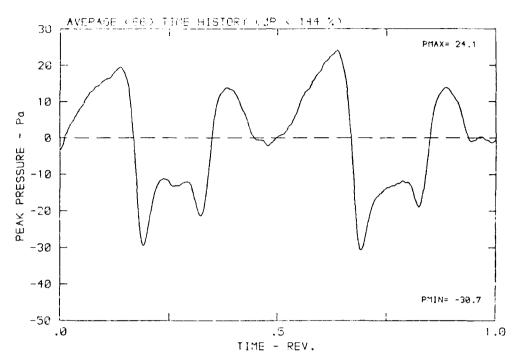


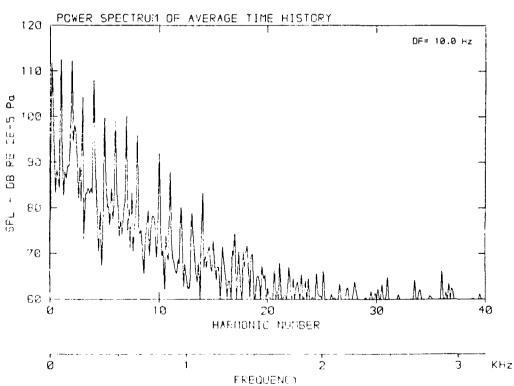
 β : 21.6° MH: .7850 n: 2400 rpm v/u: .302 ϕ : .0° T: 287.2 K



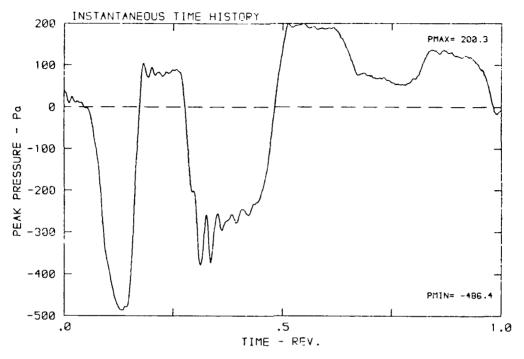


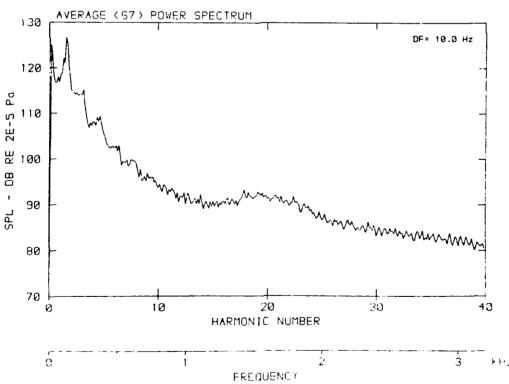
 $\beta\colon\,21.6^{\circ}\,$ MH: .7850 in: 2400 kpm $_{\rm V}$ viu: .302 $_{\rm }$ $\psi\colon\,.0^{\circ}\,$ T: 287.2 K



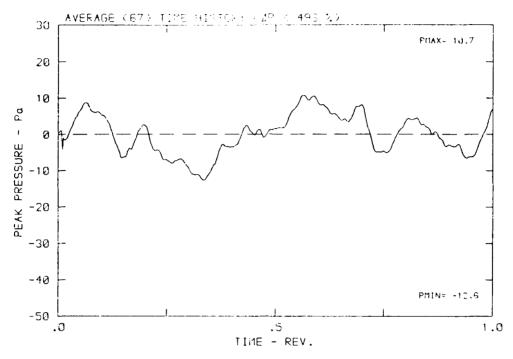


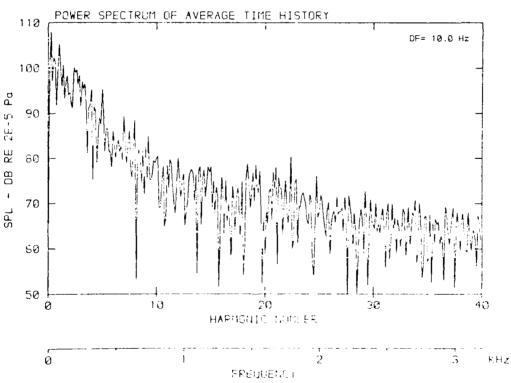
 $β: 21.6^{\circ}$ MH: .7850 n: 2400 rpm vzu: .302 φ: .0° Γ: 287.2 K



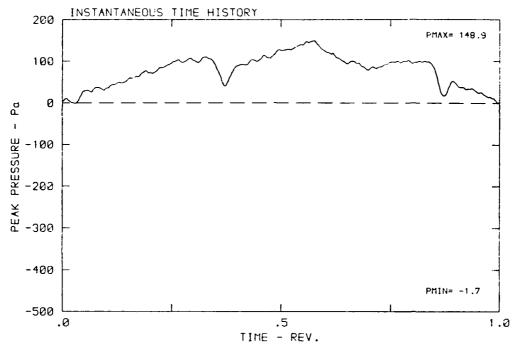


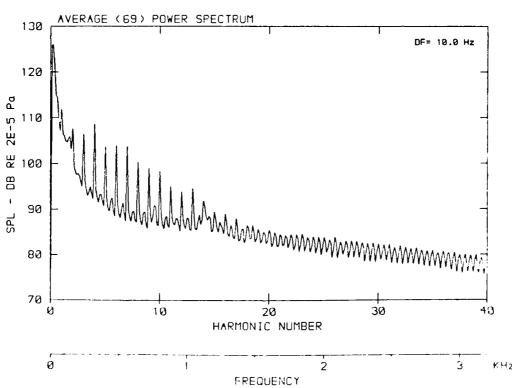
β: 21.6° MH: .7850 n: 2400 npm ν u: .302 φ: .0° T: 287.2 K





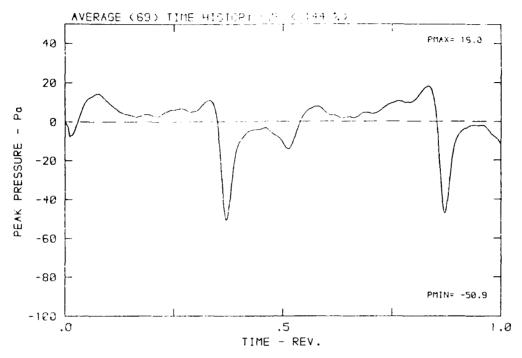
 β : 21.6° MH: .7850 n: 2400 npm v/u: .302 ϕ : .0° T: 287.2 K

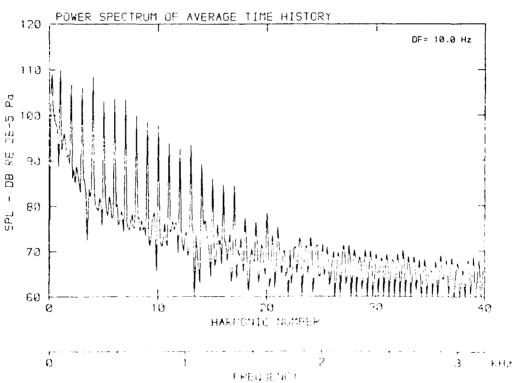




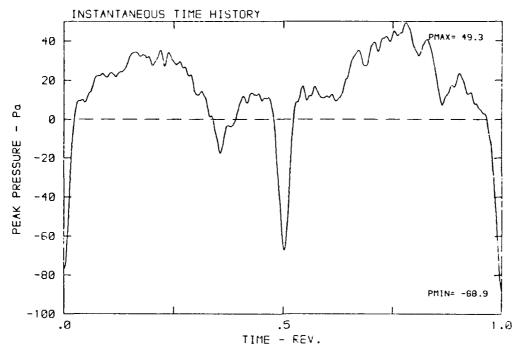
DATA POINT: AC-4 RUN: 80 MF: 9

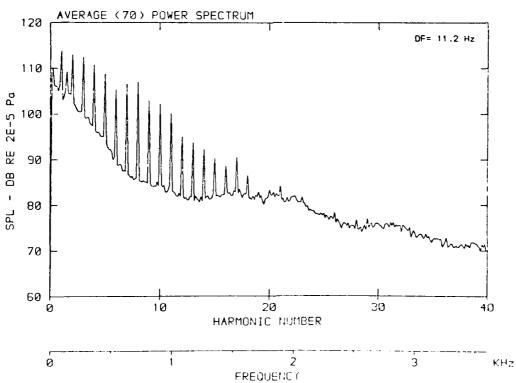
β: 21.6° MH: .7850 n: 2400 rpm v u: .302 φ: .0° T: 287.2 K



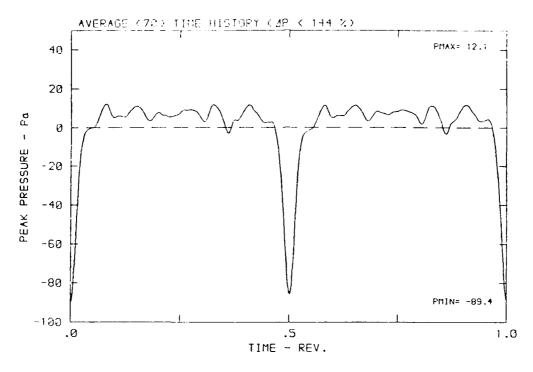


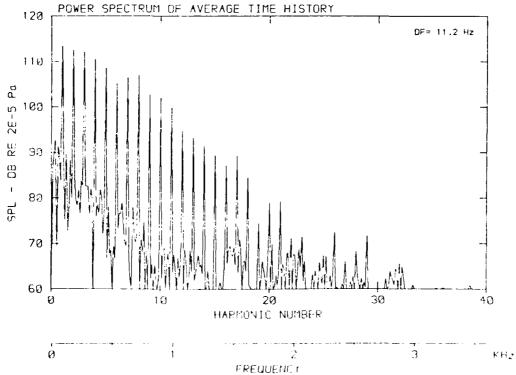
 β : 21.6° MH: .8740 n: 2700 rpm v/u: .267 ψ : .0° T: 283.0 K



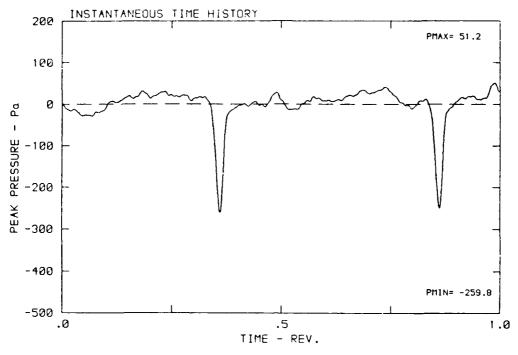


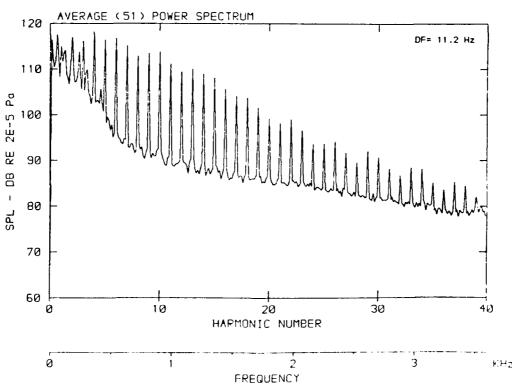
β: 21.6° MH: .8740 n: 2700 rpm v/u: .267 φ: .0° Γ: 288.0 K



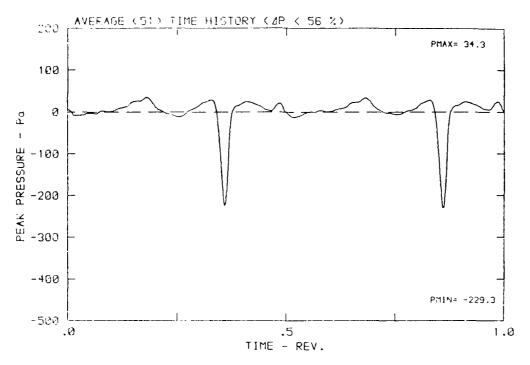


β: 21.6° MH: .8740 n: 2700 rpm ν/u: .267 ψ: .0° T: 288.0 K

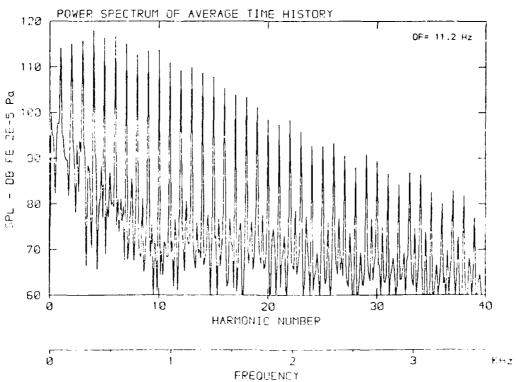




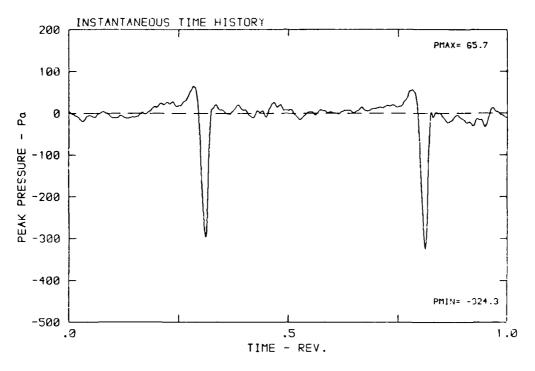
 $\beta\colon\thinspace 21.6^{\circ}\,$ MH: .8740 n: 2700 npm v/u: .267 $\varphi\colon\:.0^{\circ}\,$ T: 288.0 K

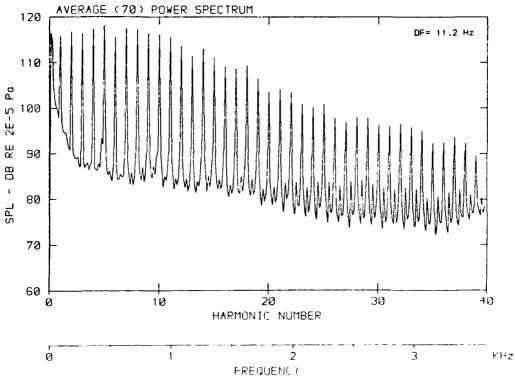


DEST RELEGICA DELEGICA DESERVED RECEDENCIA PERIODECE

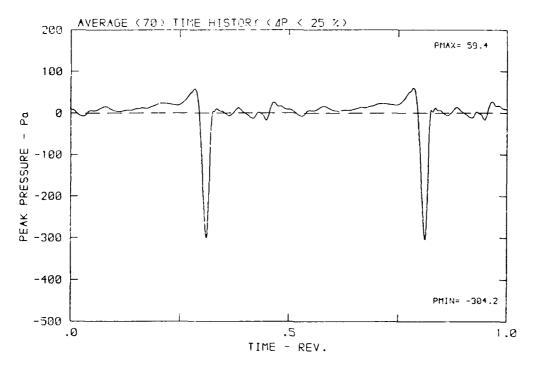


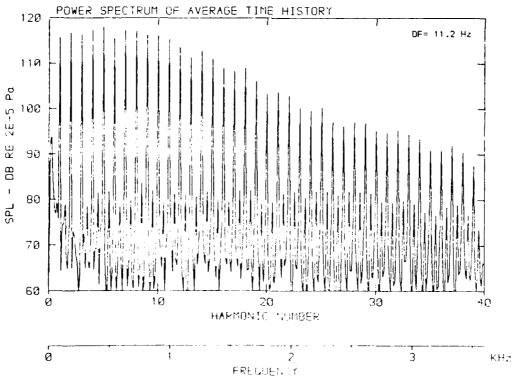
 β : 21.6° MH: .8740 n: 2700 rpm v/u: .267 ϕ : .0° T: 288.0 K



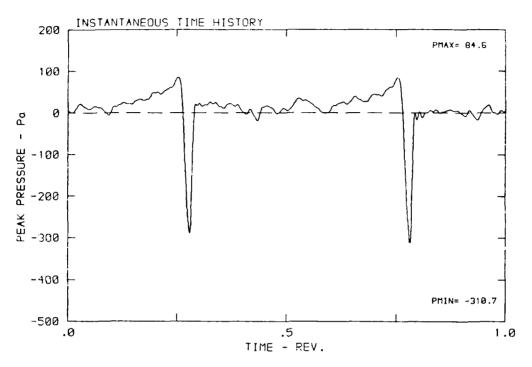


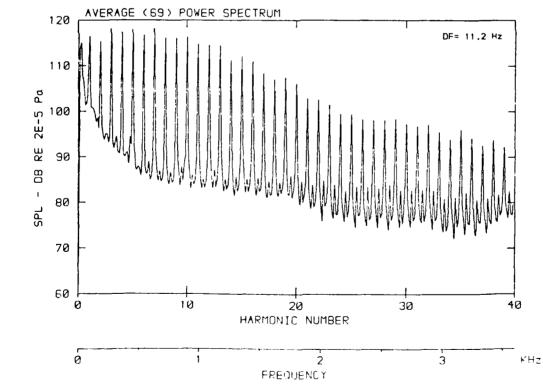
 β : 21.6° MH: .8740 n: 2700 rpm v/u: .267 ϕ : .0° T: 288.0 K



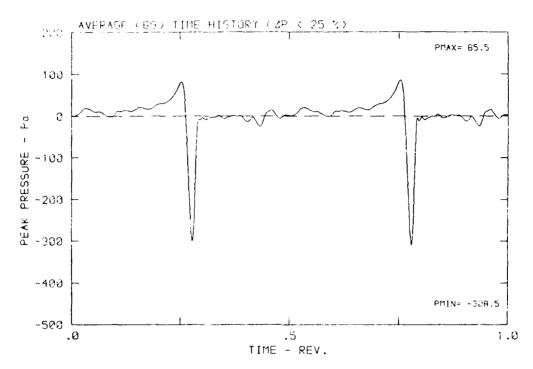


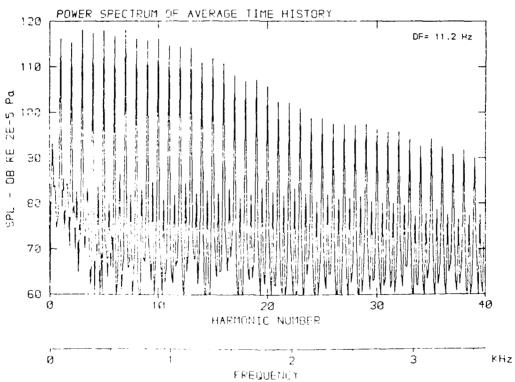
β: 21.6° MH: .8740 n: 2700 npm - v/u: .267 φ: .0° T: 288.0 K



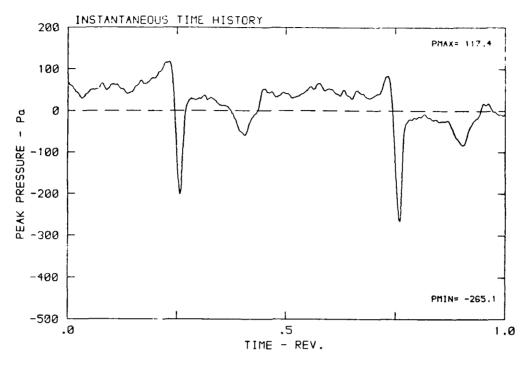


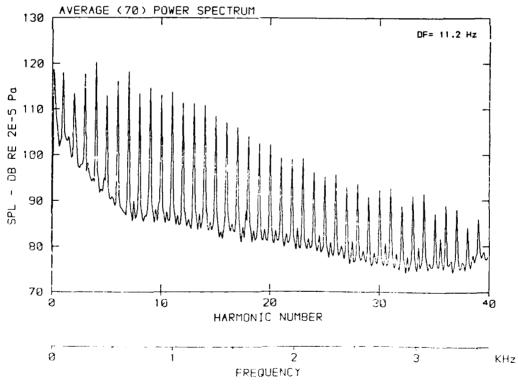
 $\beta\colon\,21.6^{\circ}\,$ MH: .8740 n: 2700 rpm v/u: .267 $\varphi\colon\,.0^{\circ}\,$ T: 288.0 K





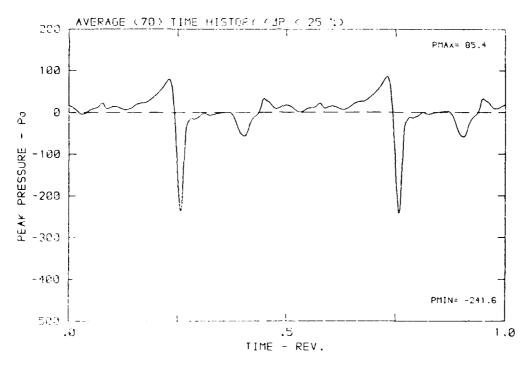
β: 21.6° MH: .8740 n: 2700 npm v/u: .287 β: .0° F: 288.0 K

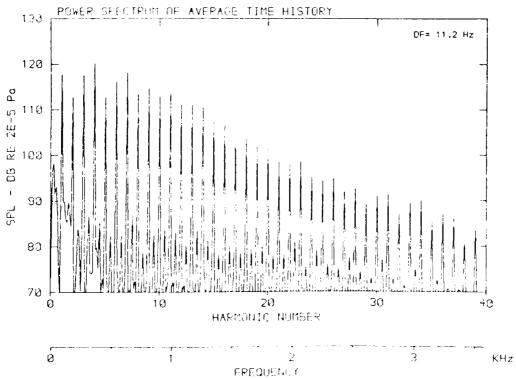




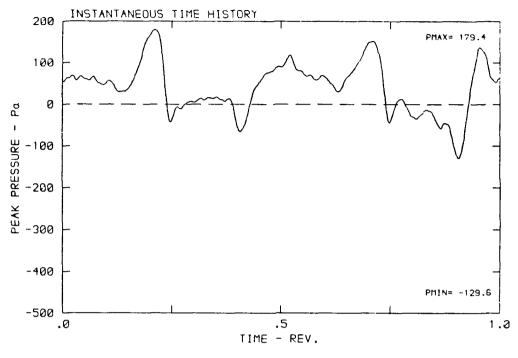
STATES OF STATES

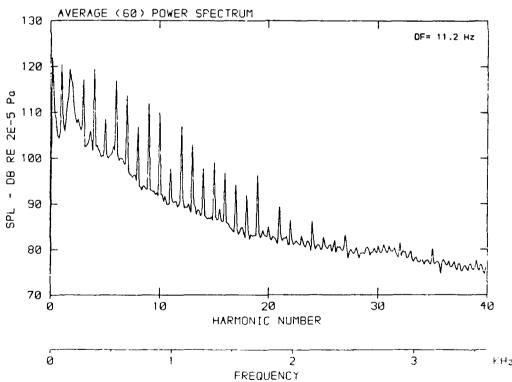
 $\beta\colon\,21.6^{\circ}\,$ MH: .8740 n: 2700 rpm v u: .267 $\,\psi\colon\,.3^{\circ}\,$ T: 285.0 K



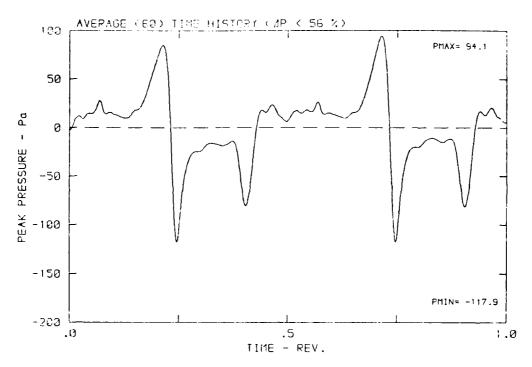


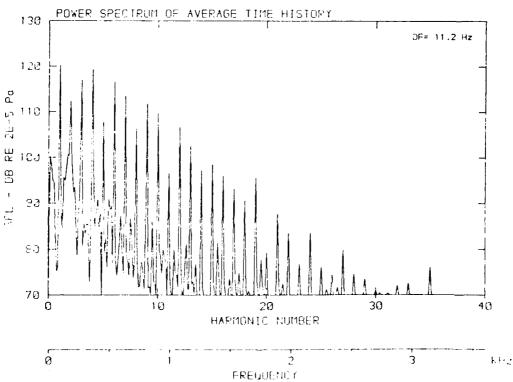
β: 21.6° MH: .8740 n: 2700 npm v/u: .267 ψ: .0° T: 288.0 ×



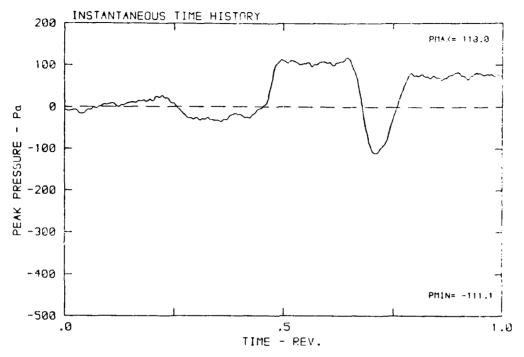


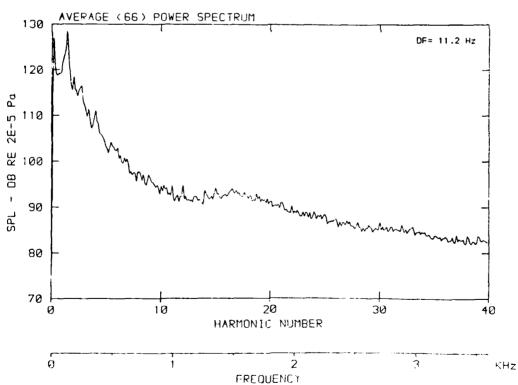
β: 21.6° MH: .8740 n: 2700 rpm v/u: .267 φ: .0° T: 288.0 K



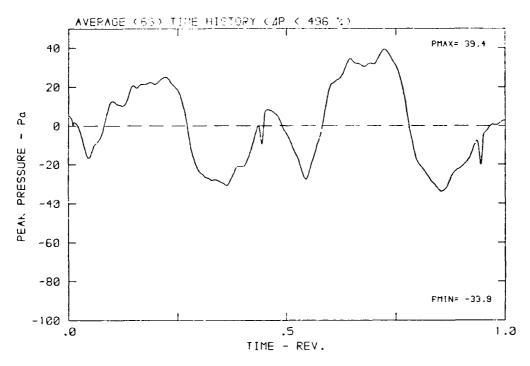


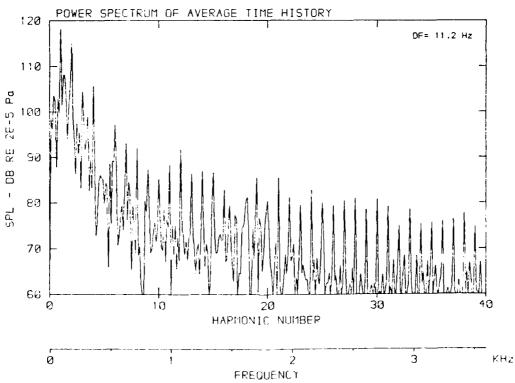
β: 21.6° MH: .8740 n: 2700 npm γ/u: .267 φ: .0° T: 288.9 K





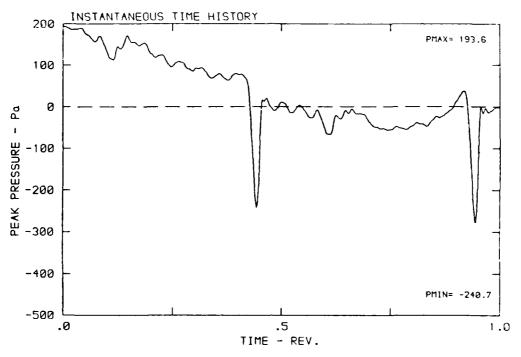
β: 21.6° MH: .8740 n: 2700 rpm γ/u: .267 φ: .0° T: 288.0 K

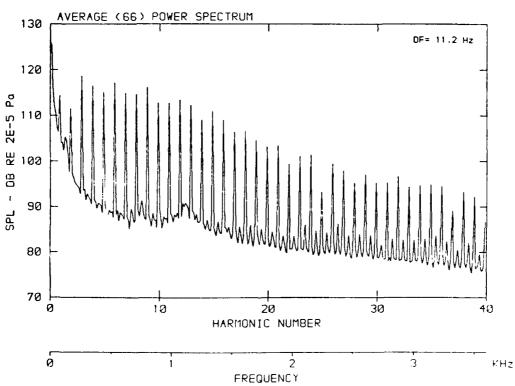




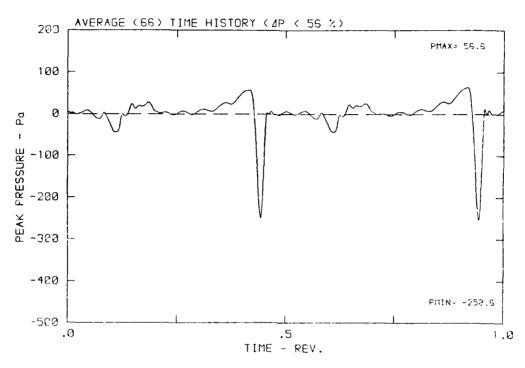
THE PROPERTY WITH LEADING CONTRACT CONT

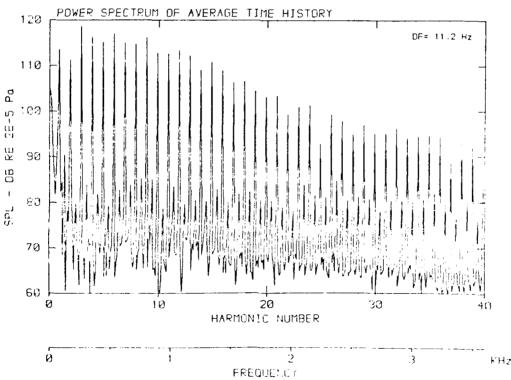
β: 21.6° MH: .8740 n: 2700 npm ν/u: .267 φ: .0° $f: 0.89.0 \times 10^{-5}$



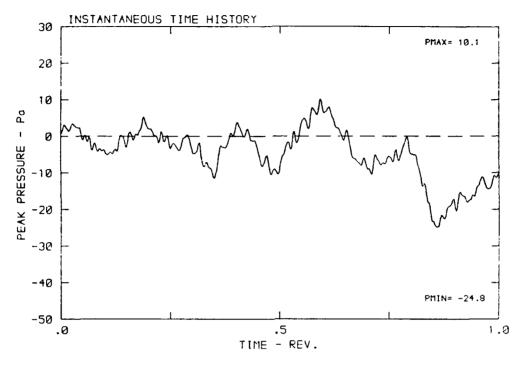


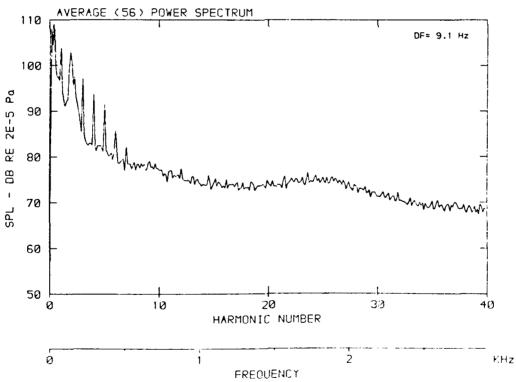
 $\beta\colon\,21.6^{o}\,$ MH: .8740 n: 2700 rpm v/u: .267 $\dot{\phi}\colon\,.0^{o}\,$ T: 288.0 K



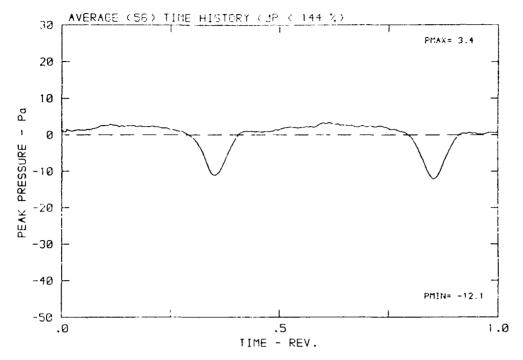


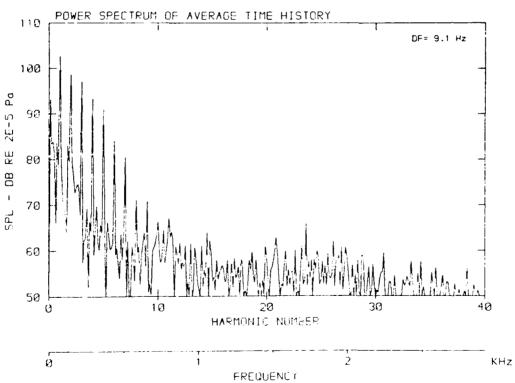
 $\beta\colon\,21.6^{\circ}\,$ MH: .7209 n: 2189 rpm v/u: .331 $\varphi\colon\,.0^{\circ}\,$ T: 288.1 K



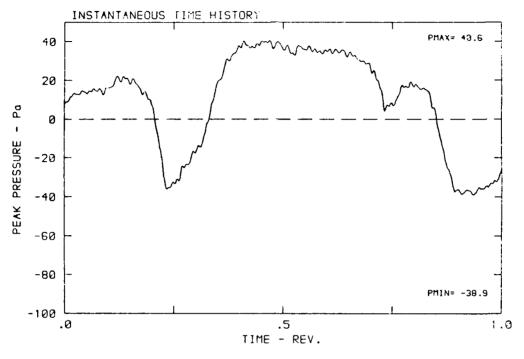


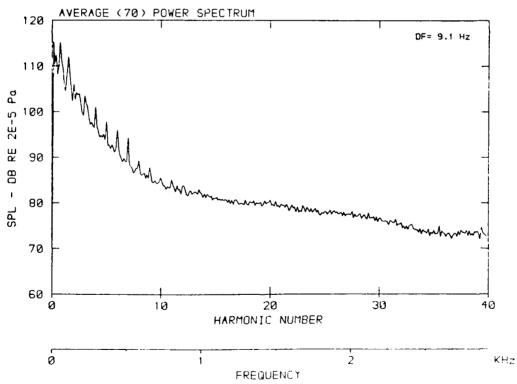
 β : 21.6° MH: .7209 n: 2189 rpm v/u: .331 ϕ : .0° T: 288.1 K



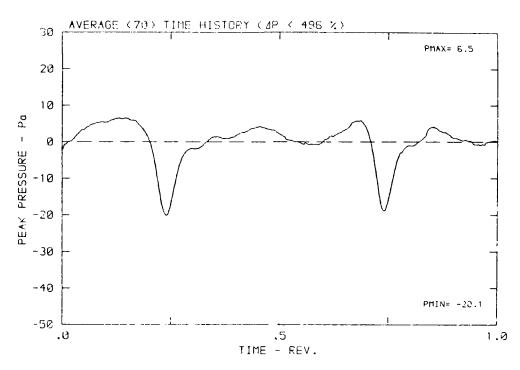


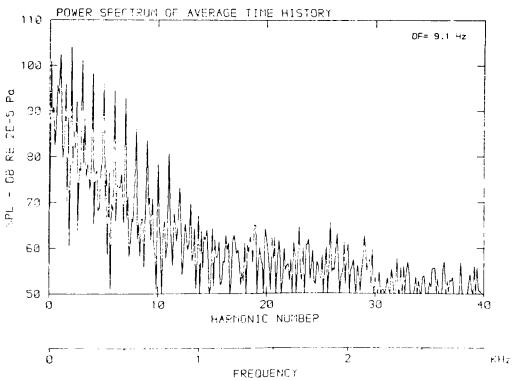
β: 21.6° MH: .7209 n: 2189 npm ν/u: .331 φ: .0° T: 298.1 κ



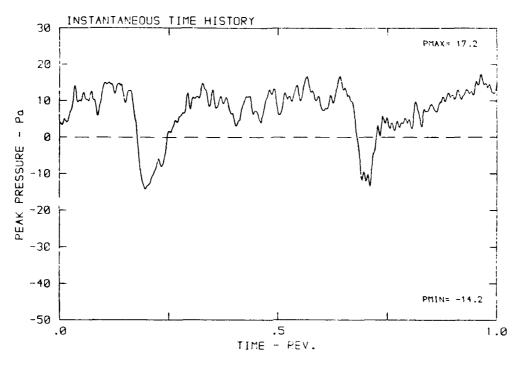


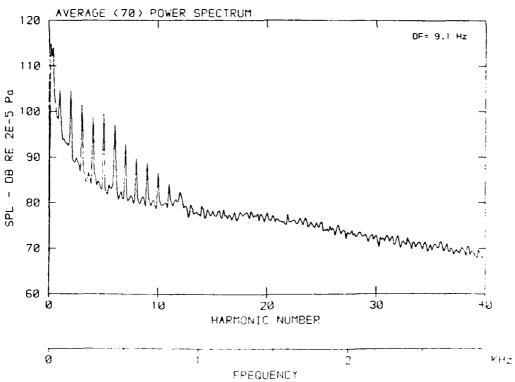
 β : 21.6° MH: .7209 n: 2189 rpm v/u: .331 ϕ : .0° T: 288.1 K



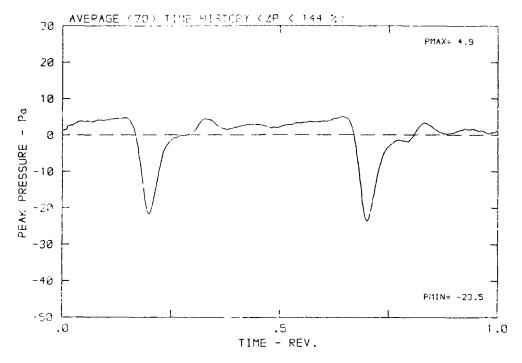


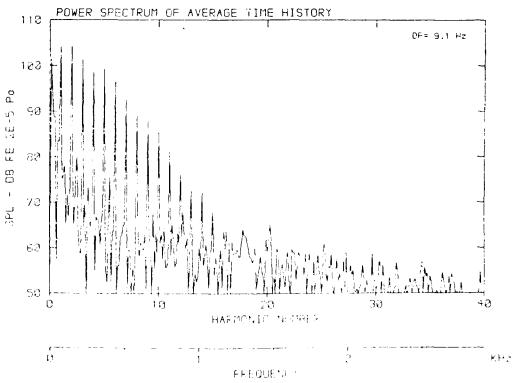
β: 21.6° MH: .7209 n: 2189 npm ν/u: .331 φ: .3° T: 289.1 K



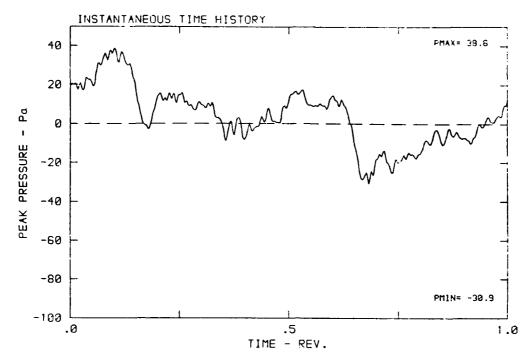


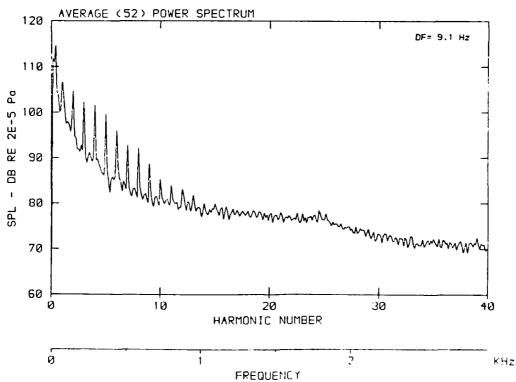
 β : 21.6° MH: .7209 n: 2189 npm v/u: .331 ϕ : .0° T: 288.1 K



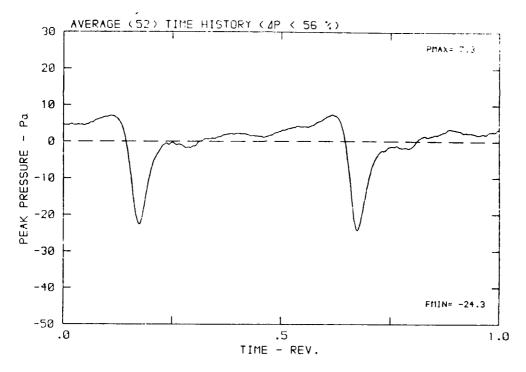


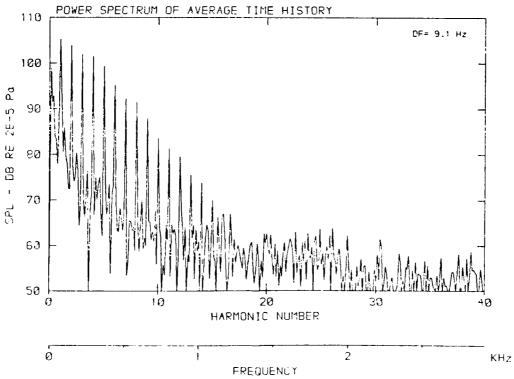
β: 21.6° MH: .7209 n: 2189 npm v/u: .331 φ: .0° T: 338.1 κ



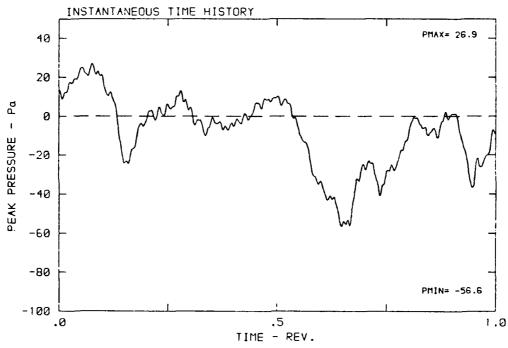


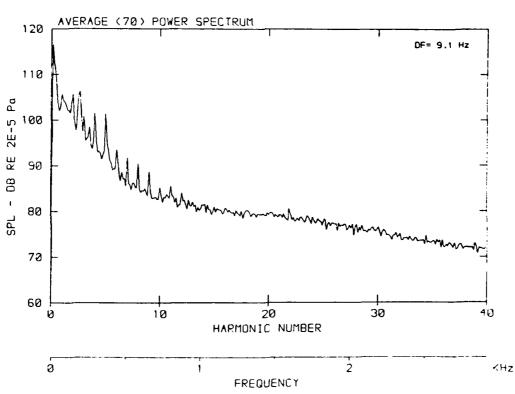
β: 21.6° MH: .7209 n: 2189 rpm ν/u: .331 φ: .0° T: 258.1 K



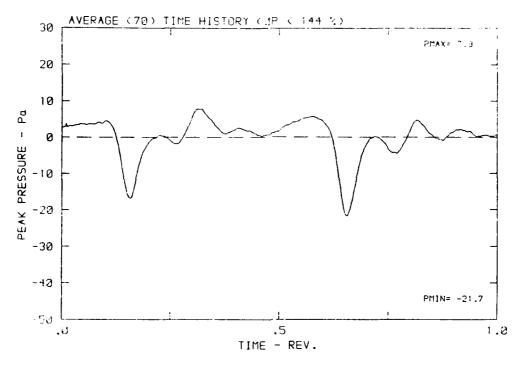


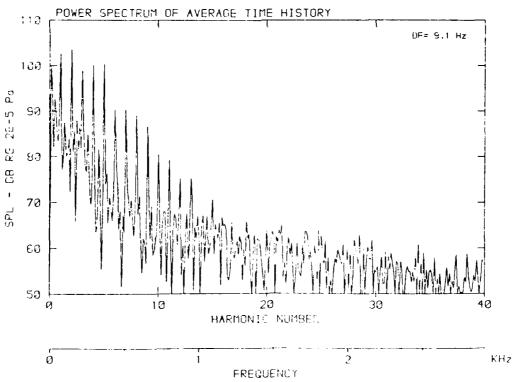
 $\beta\colon\,21.6^{\circ}\,$ MH: .7209 n: 2189 rpm v/u: .331 $\,\dot{\phi}\colon\,.0^{\circ}\,$ f: 259.1 K



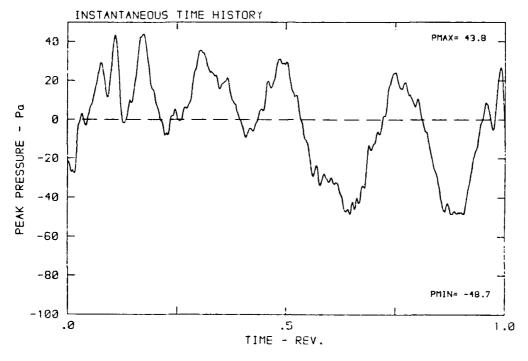


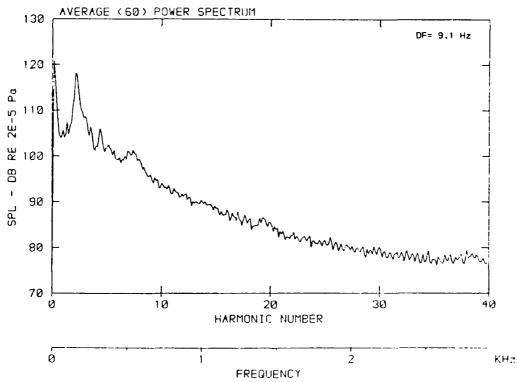
β: 21.6° MH: .7209 n: 2189 rpm ν/u: .331 φ: .0° T: 288.1 K



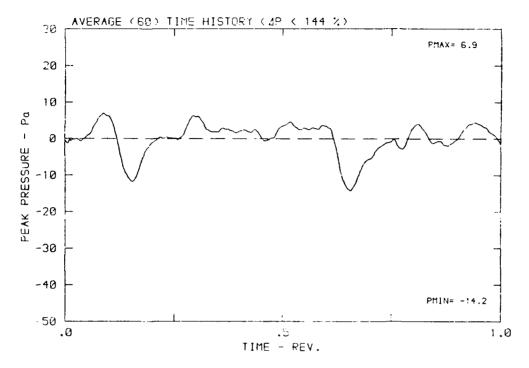


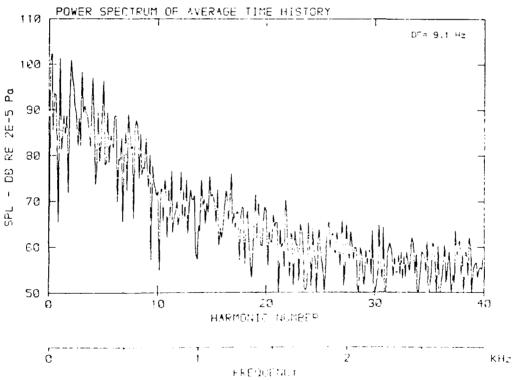
 β : 21.6° MH: .7209 n: 2189 rpm v/u: .331 ϕ : .0° T: 288.1 K



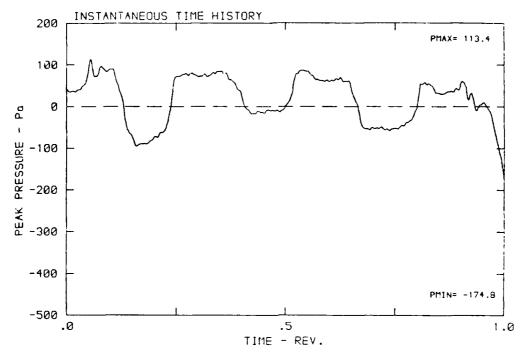


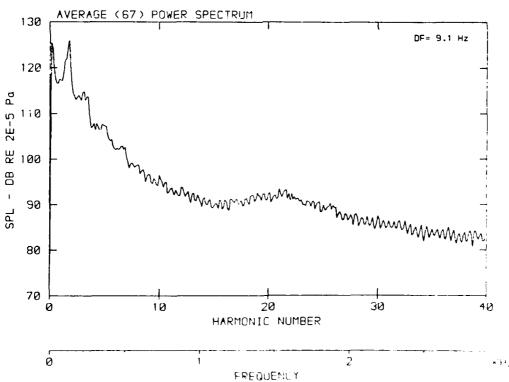
 $\beta\colon\thinspace21.6^{\circ}$ MH: .7209 n: 2189 rpm v/u: .331 $\,\varphi\colon\:.0^{\circ}$ T: 288.1 K



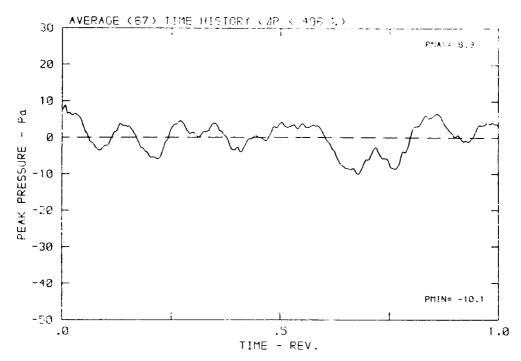


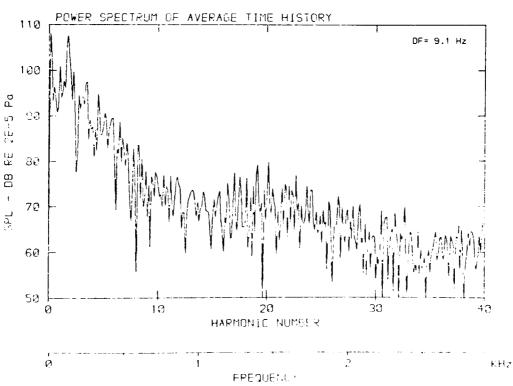
 $\beta\colon\,21.6^{\circ}\,$ MH: .7209 n: 2189 npm v/u: .331 $\,$ $\psi\colon\,.0^{\circ}\,$ T: 268.1 K



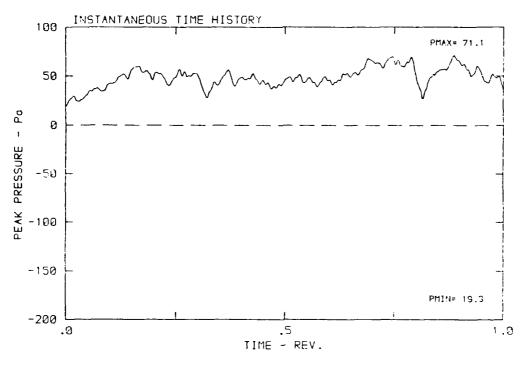


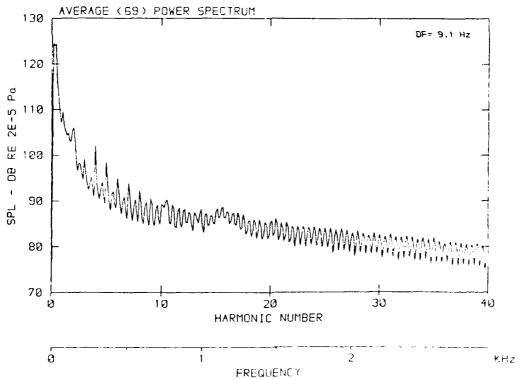
 β : 21.6° MH: .7209 n: 2189 npm v/u: .331 ϕ : .0° T: 288.1 K



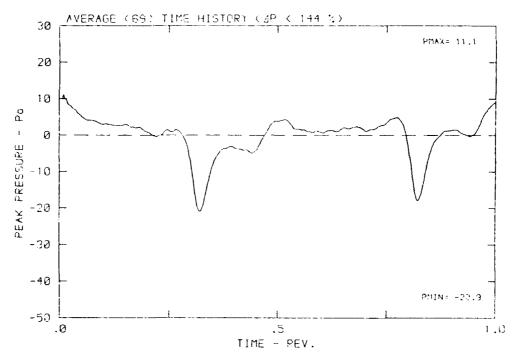


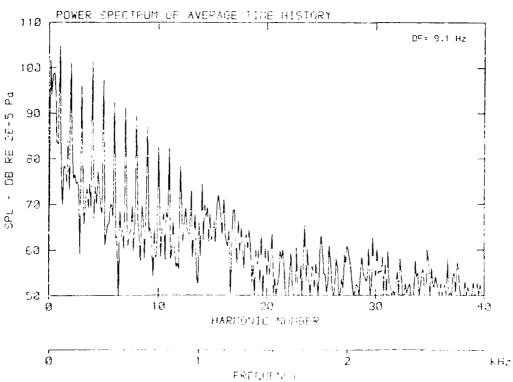
β: 21.6° MH: .7209 n: 2189 npm ν/u: .33! φ: .0° T: 285.1 K





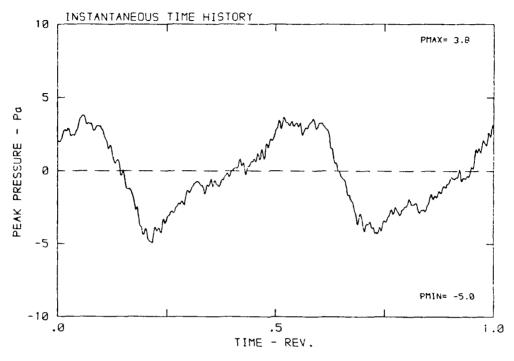
 $\beta: 21.6^{\circ}$ MH: .7209 n: 2189 npm v/u: .331 $\phi: .0^{\circ}$ T: 288.1 K

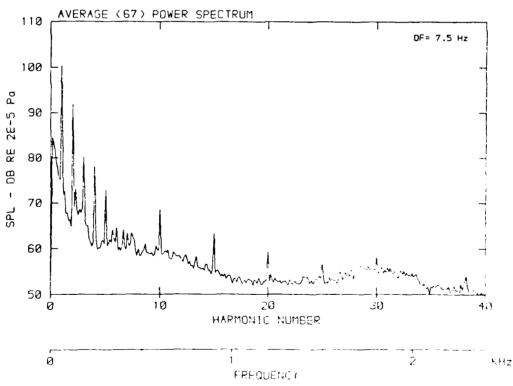




DATA POINT: BC-1 RUN: 77 MP: !

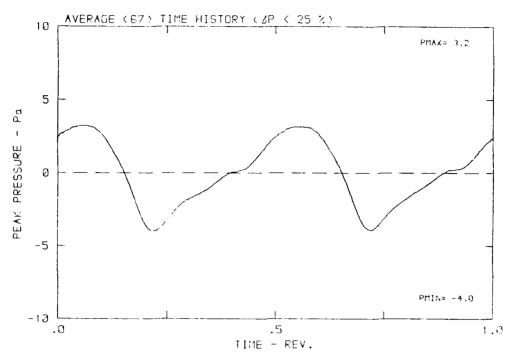
 β : 20.7° MH: .5732 n: 1800 npm v/u: .179 ϕ : .0° T: 286.6 K

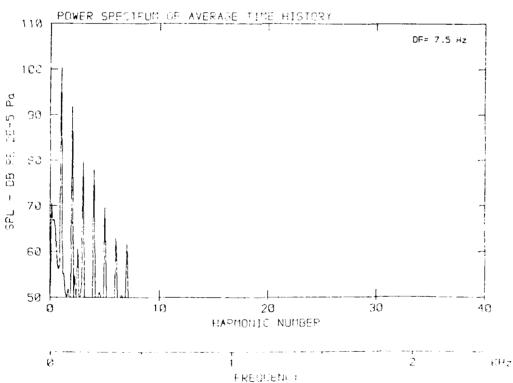




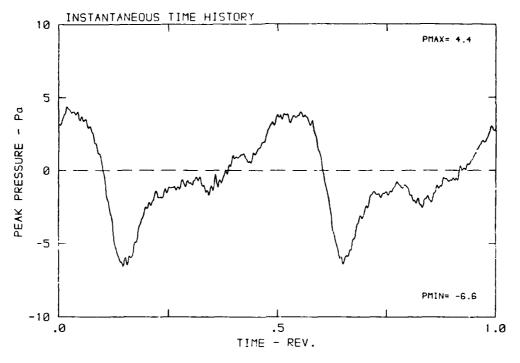
DATA POINT: BC-1 RUN: 77 MP: 1

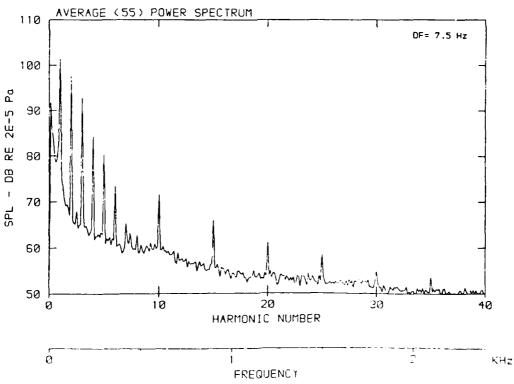
 $\beta\colon 20.7^{\circ}$ MH: .5732 n: 1800 rpm v/u: .179 $\psi\colon .0^{\circ}$ T: 286.6 K



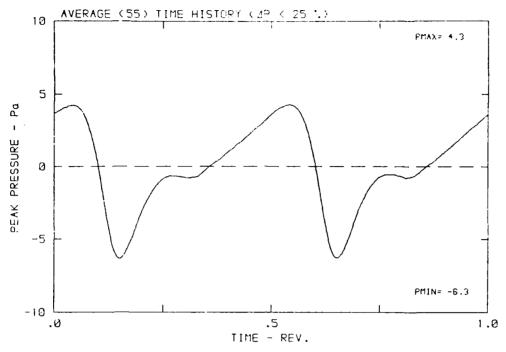


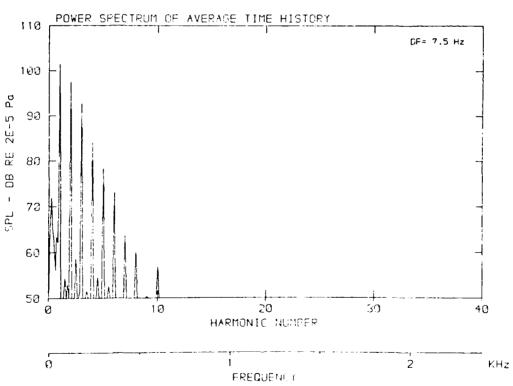
 $β: 20.7^{\circ}$ MH: .5732 n: 1800 rpm ν/u: .179 $φ: .0^{\circ}$ T: 286.6 K



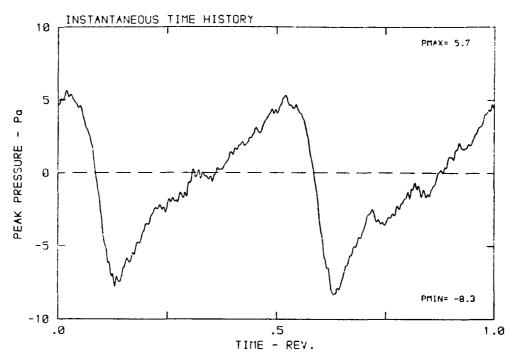


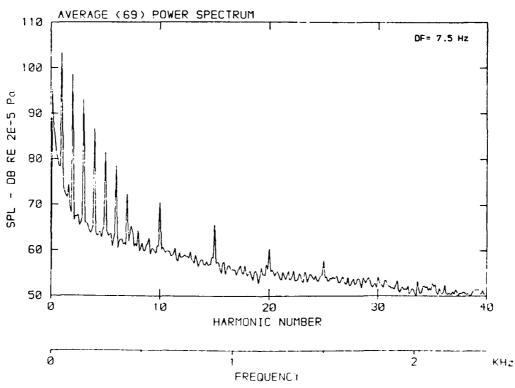
 $β: 20.7^{\circ}$ MH: .5732 n: 1800 rpm v/u: .179 $φ: .0^{\circ}$ T: 286.6 K



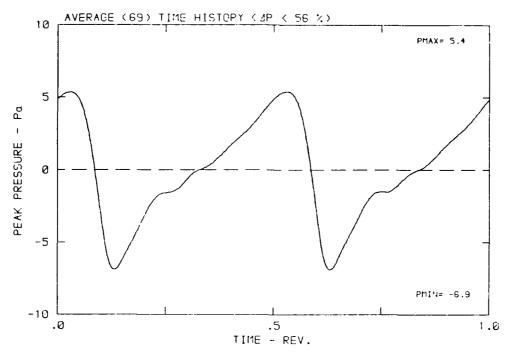


 $β: 20.7^{\circ}$ MH: .5732 n: 1800 rpm v/u: .179 φ: . $@^{\circ}$ T: 286.6 K

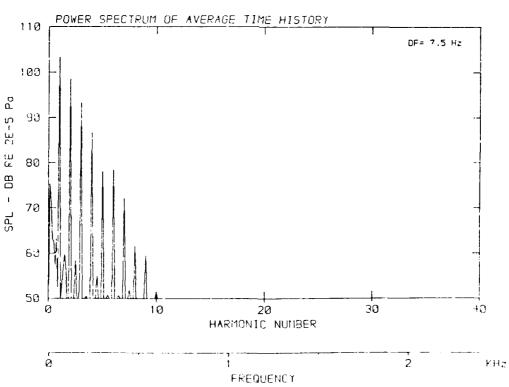




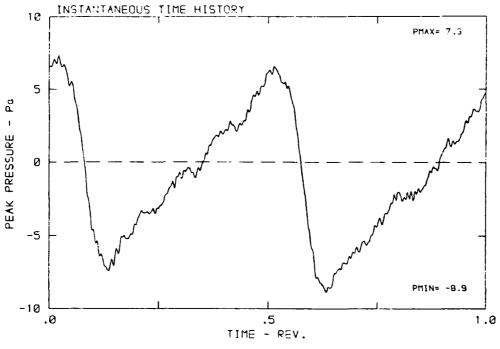
 $\beta\colon 20.7^{\text{o}}$ MH: .5732 n: 1800 npm $\text{v/u}\colon .179$ $\varphi\colon .0^{\text{c}}$ T: 286.6 K

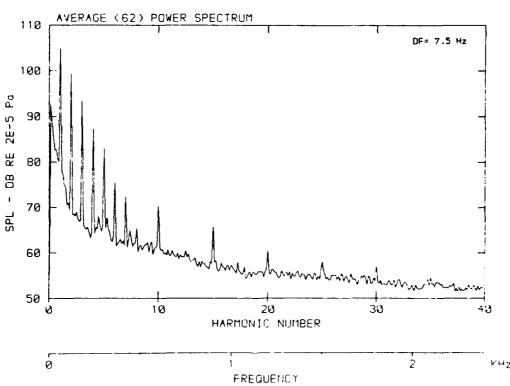


the control assessed sections of the sections

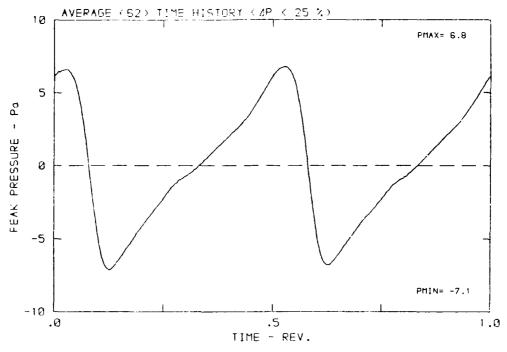


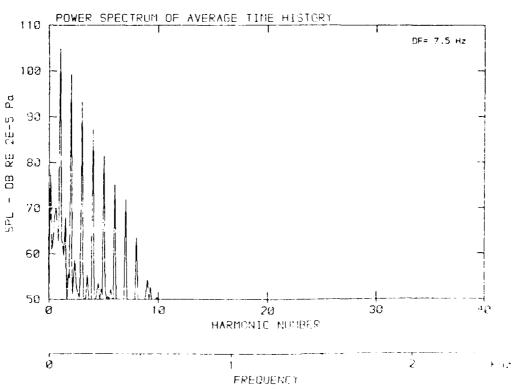
 $\beta: 20.7^{\circ}$ MH: .5732 n: 1830 npm v/u: .179 $\phi: .0^{\circ}$ T: 285.6 K



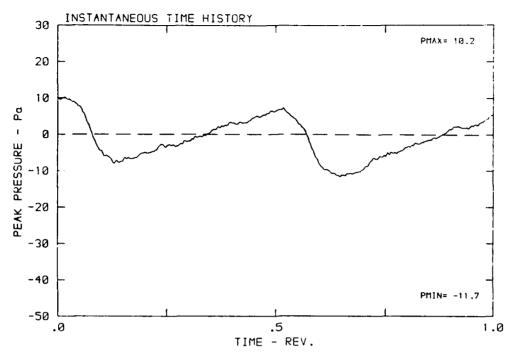


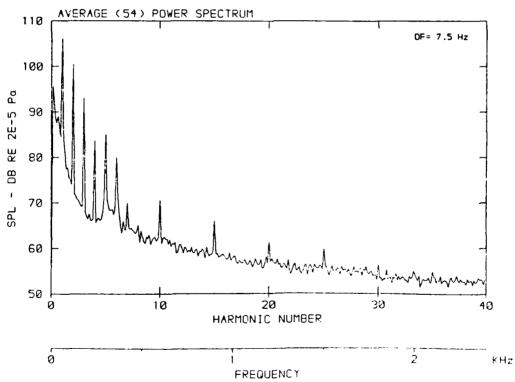
 $\beta\colon 20.7^{o}$ MH: .5732 n: 1800 npm v/u: .179 $\psi\colon .0^{o}$ T: 286.6 k



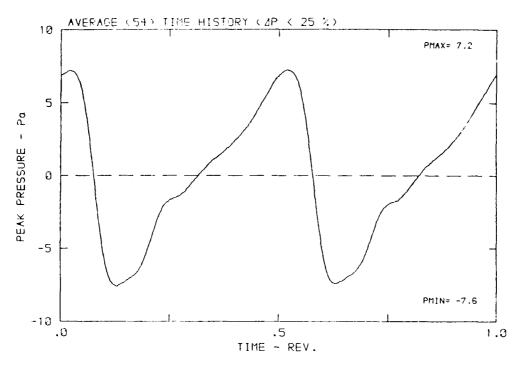


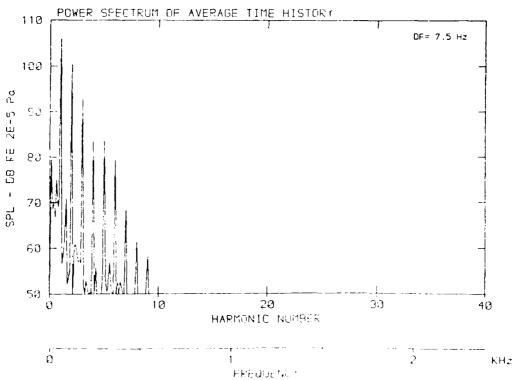
 β : 20.7° MH: .5732 n: 1800 rpm V/u: .179 ϕ : .0° T: 286.6 K



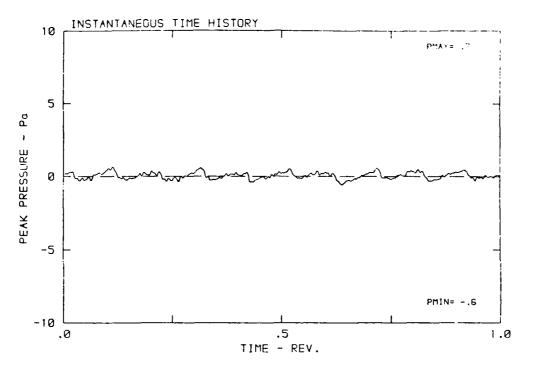


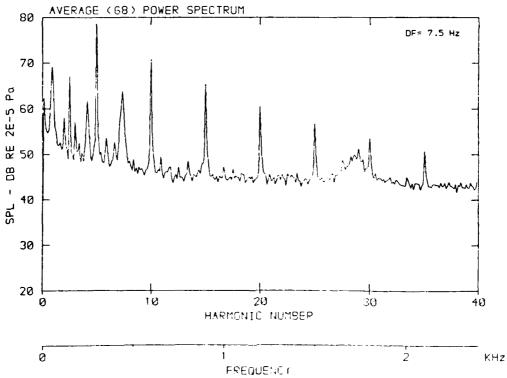
 β : 20.7° MH: .5732 n: 1800 rpm v/u: .179 ϕ : .0° T: 286.6 K



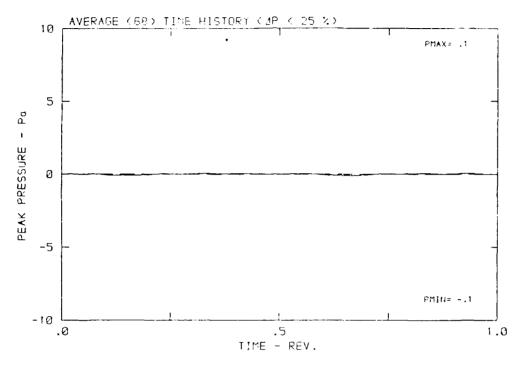


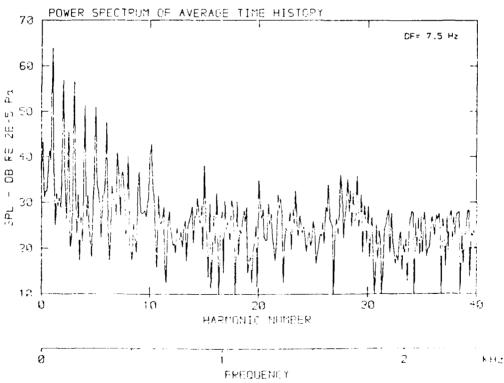
β: 20.7° MH: .5732 n: 1800 npm v/u: .179 φ: .0° Τ: 215.0 $^{\circ}$



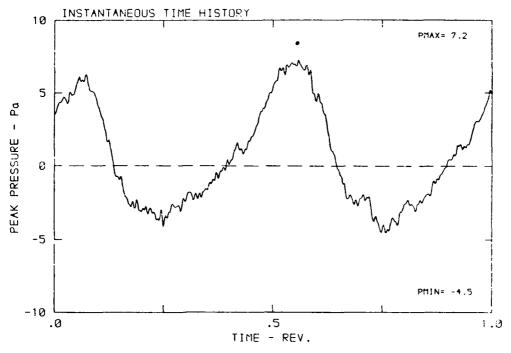


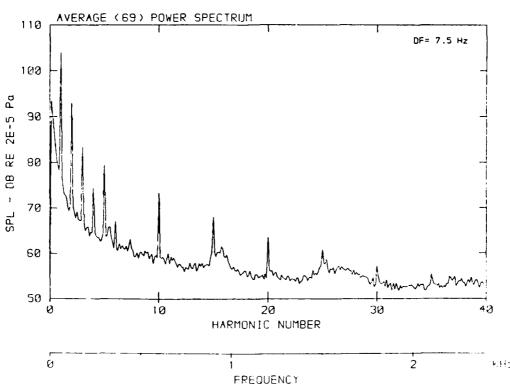
 $\beta: 20.7^{\circ}$ MH: .5732 n: 1800 rpm v/u: .179 $\psi: .0^{\circ}$ T: 286.8 κ





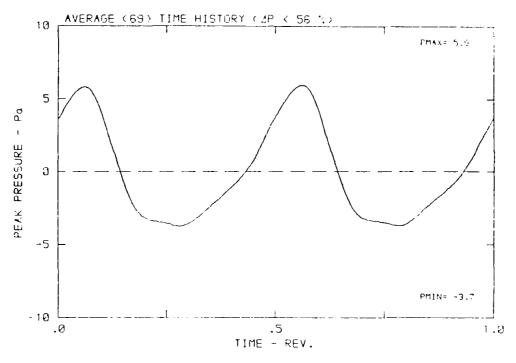
 $\beta: 20.7^{\circ}$ MH: .5732 n: 1830 npm v/u: .179 $\psi: .0^{\circ}$ T: 235.6 K

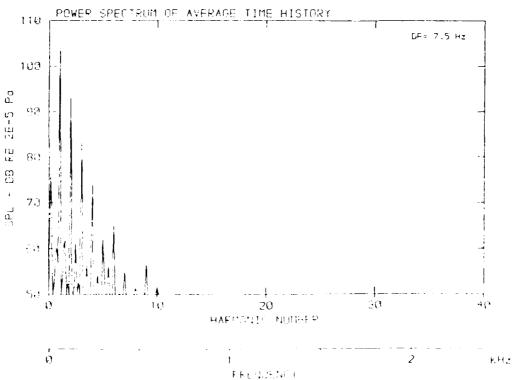




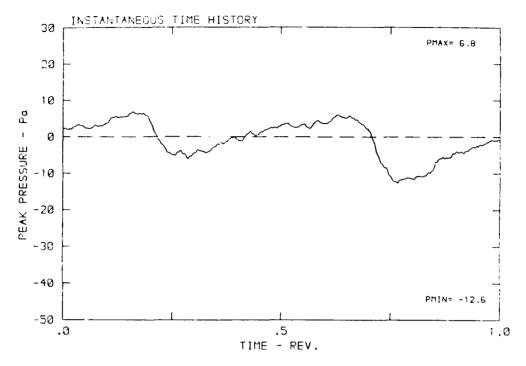
Cocco personal formation becomes volves.

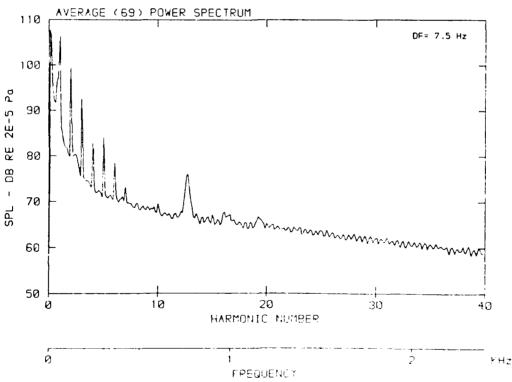
 $\beta: 20.7^{\circ}$ MH: .5732 n: 1800 rpm v/u: .179 $\phi: .0^{\circ}$ T: 256.6 K





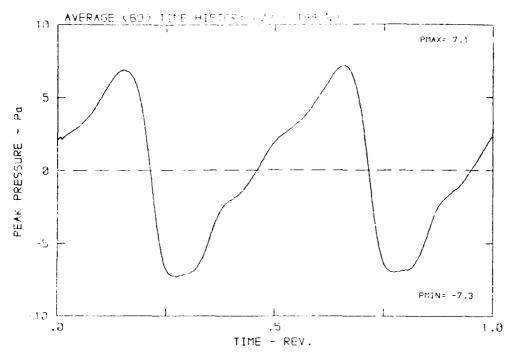
β: 20.7° MH: .5732 n: 1820 rpm V/u: .179 φ: $.0^{\circ}$ T: 258.5 k

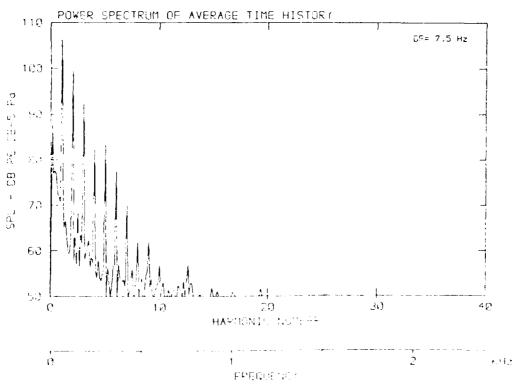




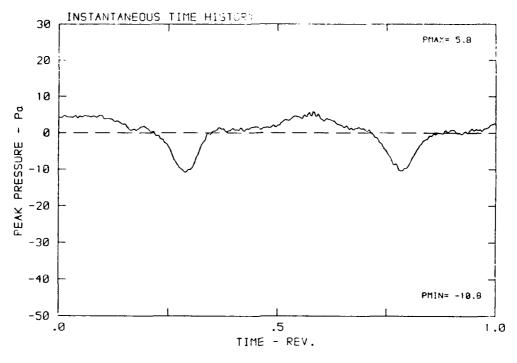
[DATA POINT: BU-1] PUL: 77 MP: 9

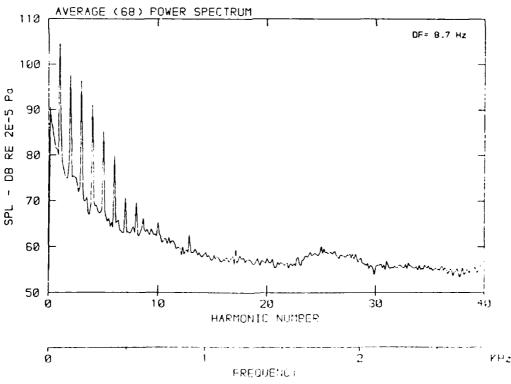
β: 20.7° MH: .5732 n: 1800 n; . 4: .179 φ: .0° T: 286.6 κ



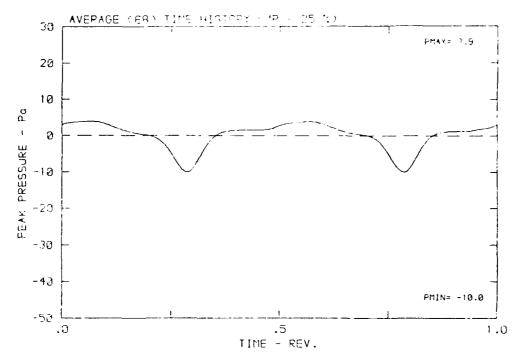


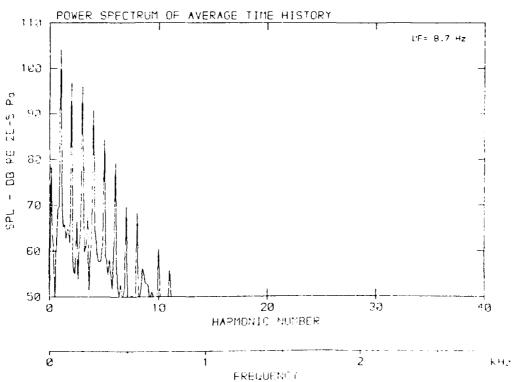
 $\beta: 20.7^{\circ}$ MH: .6587 n: 2130 npm vzu: .179 $\beta: .0^{\circ}$ T: 288.6 K



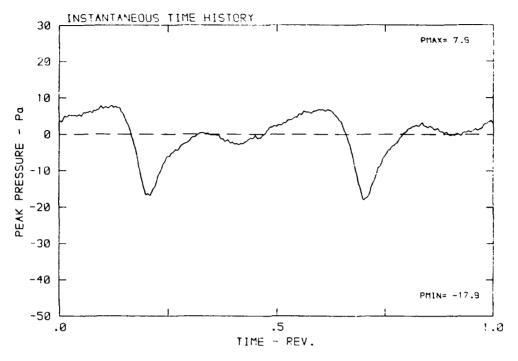


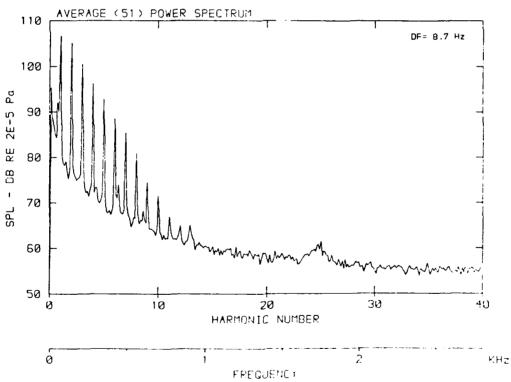
 $\beta\colon\,20.7^{o}\,$ MH: .6687 in: [100 kpm - v/u: .179 | $\varphi\colon\,.0^{o}\,$ T: 286.6 K



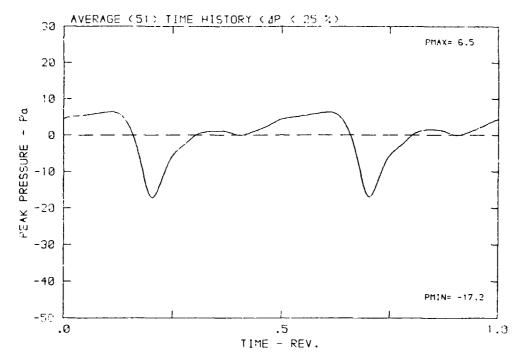


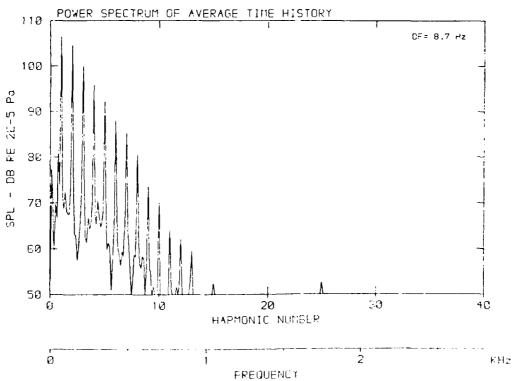
β: 20.7° MH: .5687 n: 2100 npm - v/u: .179 φ: .0° T: 195.5 K



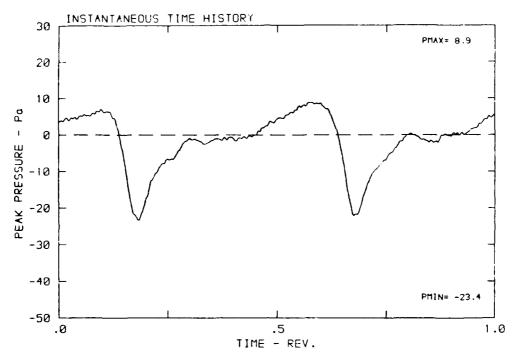


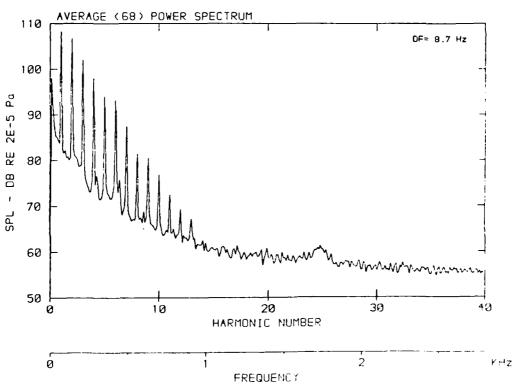
 β : 20.7° MH: .6687 n: 2100 rpm v/u: .179 $\dot{\phi}$: .0° T: 286.6 K



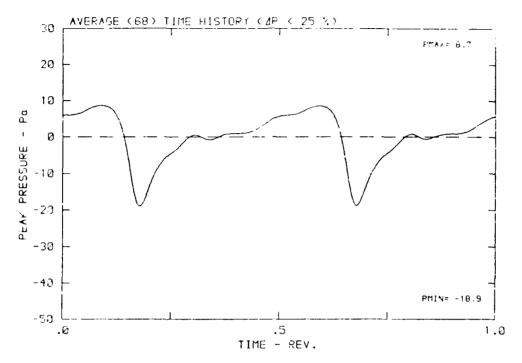


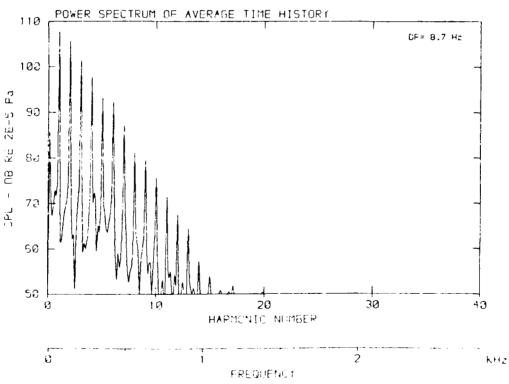
β: 20.7° MH: .6687 n: 2100 npm v/u: .179 φ: .0° T: 286.6 κ



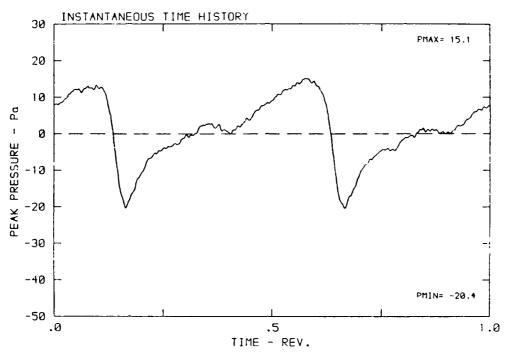


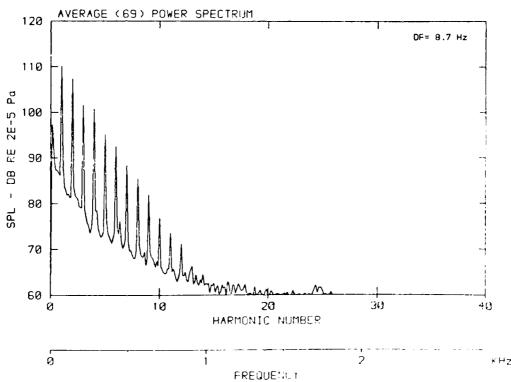
β: 20.7° MH: .6687 n: 2100 rpm $\sqrt{4}$.170 φ: .0° T: 186.5 k



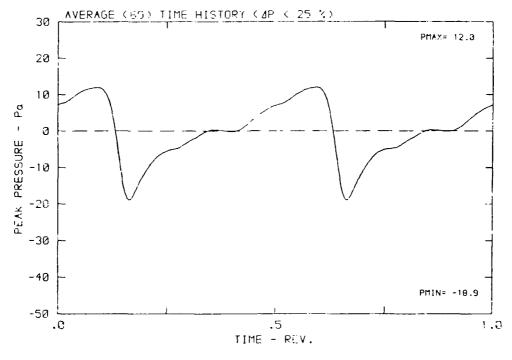


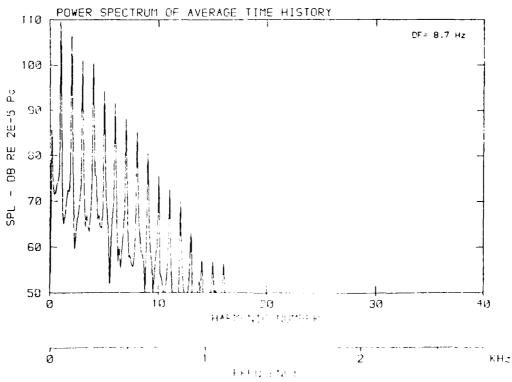
 β : 20.7° MH: .6687 n: 2100 rpm v/u: .179 ϕ : .0° T: 286.6 K



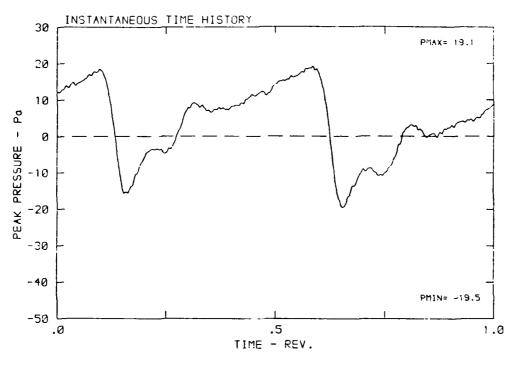


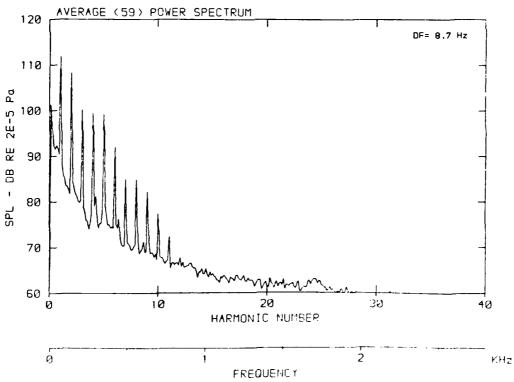
 β : 20.7° MH: .6687 n: 2100 rpm v/u: .179 ϕ : .0° T: 286.6 K



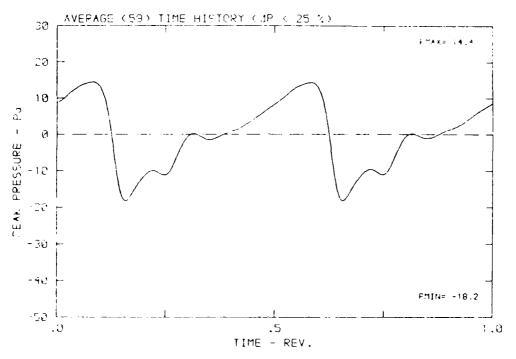


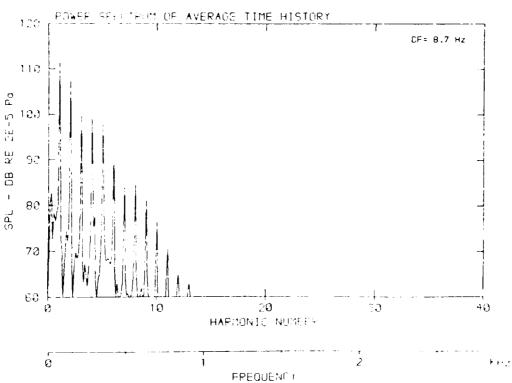
β: 20.7° MH: .6687 n: 2100 npm v/u: .179 φ: .0° T: 256.5 K



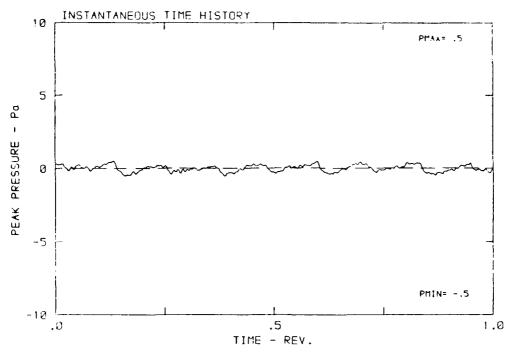


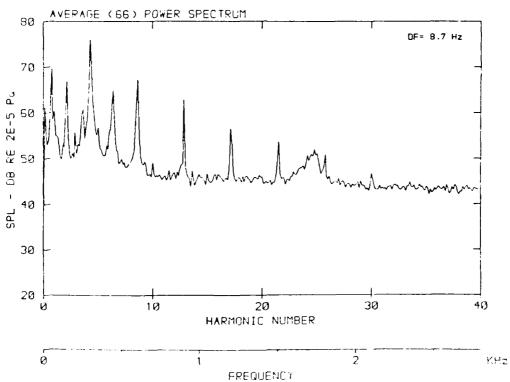
 β : 20.7° MH: .6687 n: 2100 rpm v/u: .179 ϕ : .0° T: 286.6 K



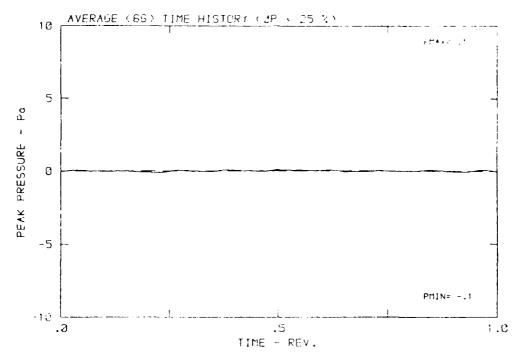


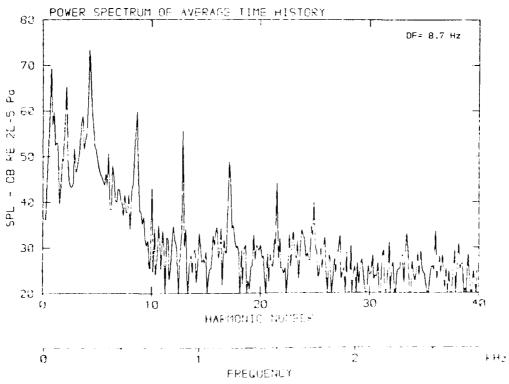
β: 20.7° MH: .6687 n: 2100 npm v/u: .179 φ: .3° T: .66.6 K



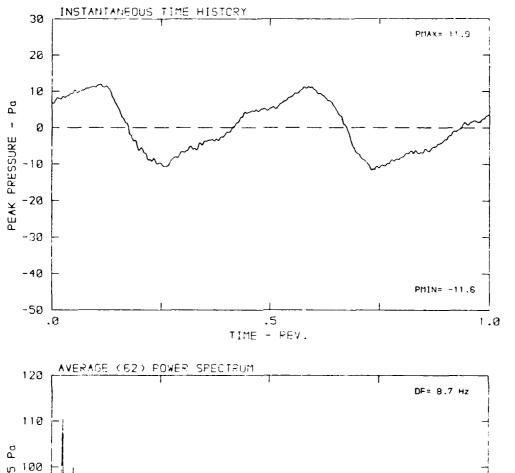


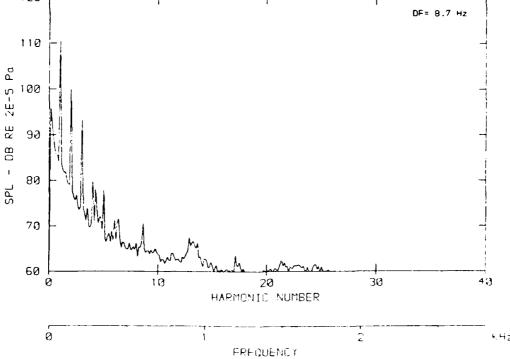
β: 20.7° MH: .6687 n: 2100 rpm 2.04: .179 φ: .0° T: 295.6 K



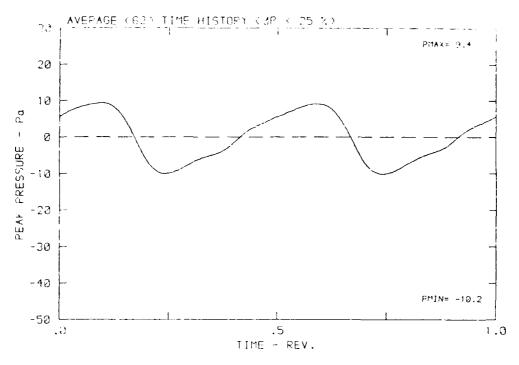


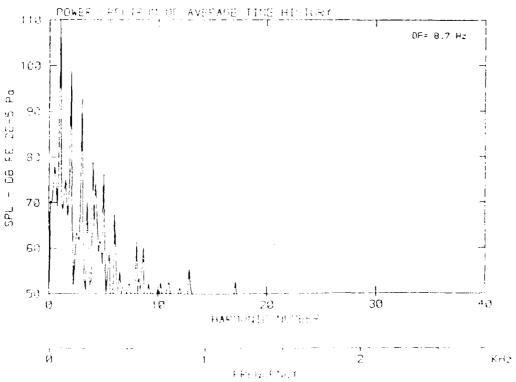
β: 20.7° MH: .6687 n: 2180 npm \/\doi: .109 \\ g: .6° \\ T: .38.6 \-



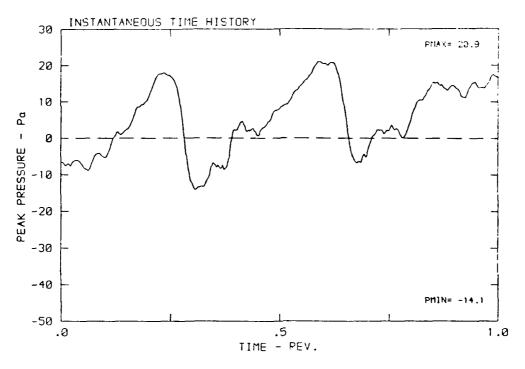


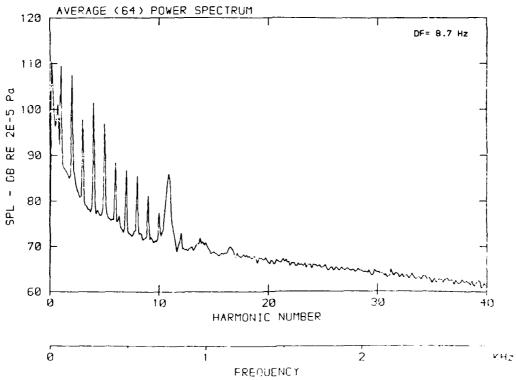
 $\beta: 20.7^{\circ}$ MH: .6887 in: 2100 npm $_{\odot}$ u: .179 $_{\odot}$: .00 T: 286.6 %



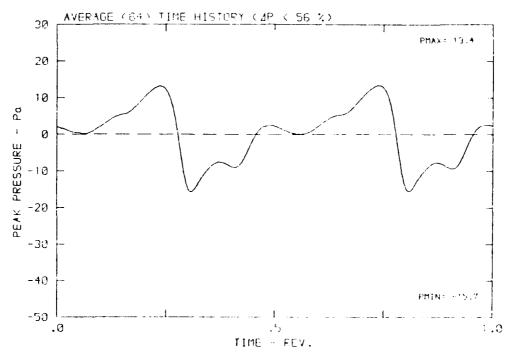


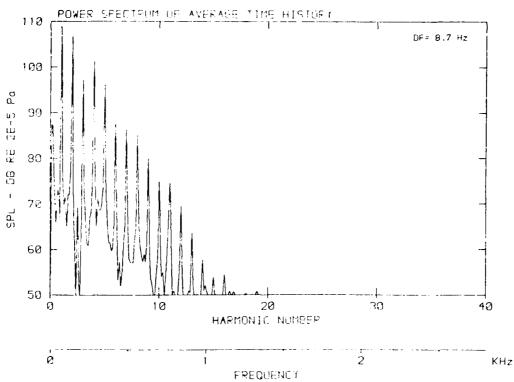
β: 20.7° MH: .6587 n: 2100 npm - v/u: .179 β: .6° T: 266.6 K



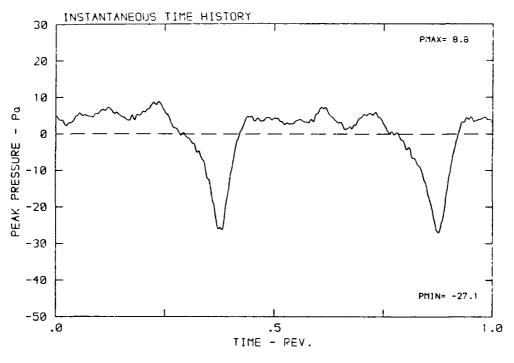


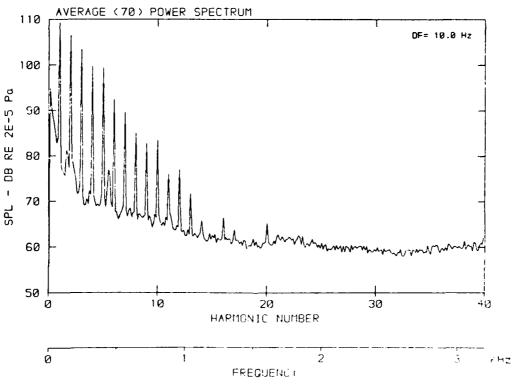
 $\beta\colon\,20.7^{o}\,$ MH: .6687 n: 2100 rpm v/u: .179 $\varphi\colon\,.0^{o}\,$ T: 285.6 K



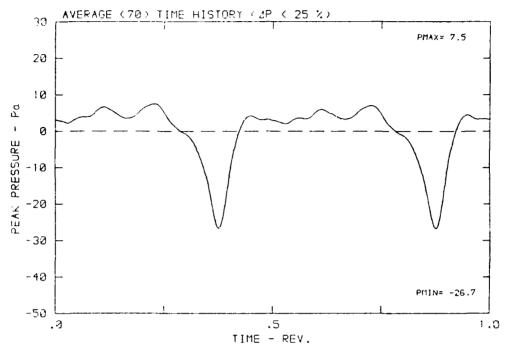


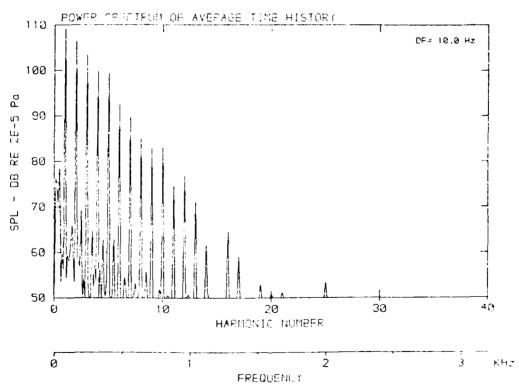
 $\beta: 20.7^{\circ}$ MH: .7644 n: 2400 npm v/u: .180 $\phi: .0^{\circ}$ T: 285.6 K



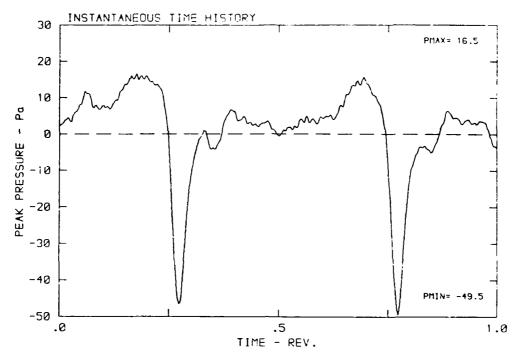


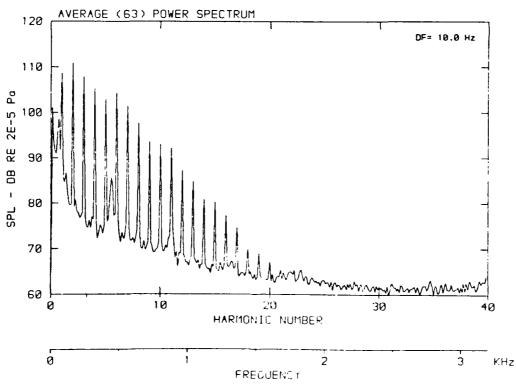
 β : 20.7° MH: .7644 n: 2400 rpm v/u: .180 ϕ : .0° T: 286.6 K



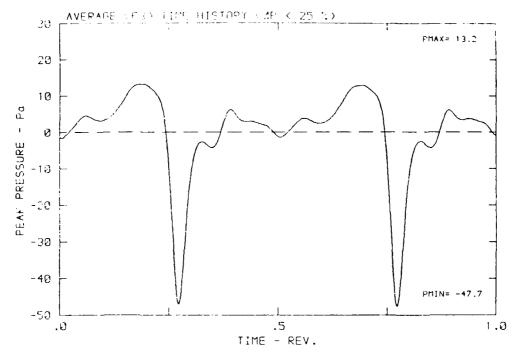


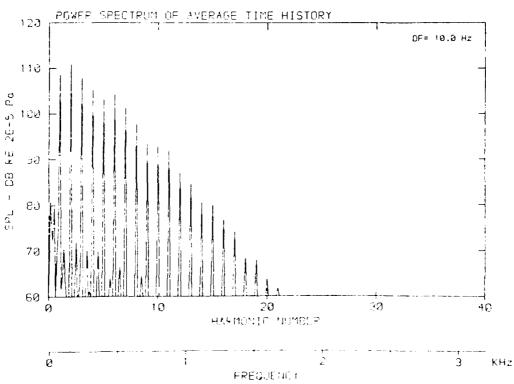
β: 20.7° MH: .7644 n: 2400 rpm . ru: .te0 φ: .e° T: 205.5 r



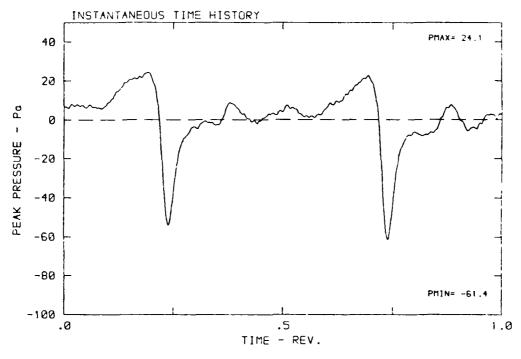


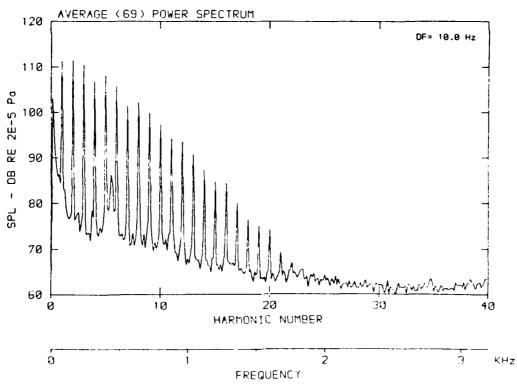
 $\beta \colon 20.7^{\circ} \ \text{MH} \colon .7544 \ \text{n} \colon 2400 \ \text{npm} \ \text{v/u} \colon .180 \ \phi \colon .0^{\circ} \ \text{T} \colon 235.8 \ \text{k}$



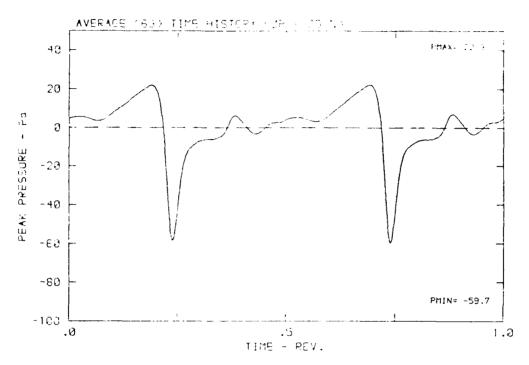


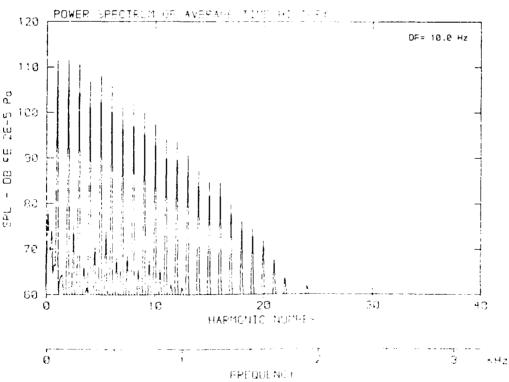
β: 20.7° MH: .7644 n: 2400 npm - v/u: .180 | ↓: .5° | Τ: 386.6 /



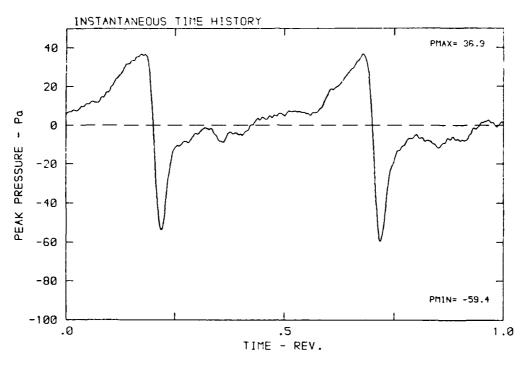


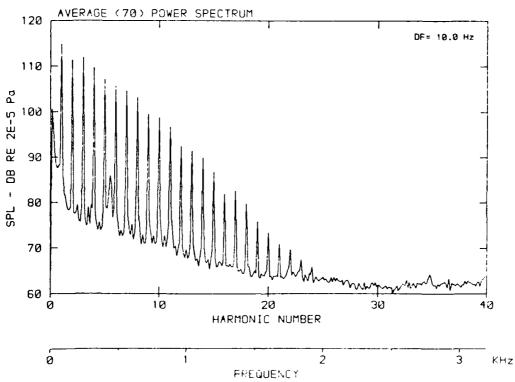
β: 20.7° MH: .7644 n: 2400 npm (5 4: .50 φ: .0°): 235.5 K



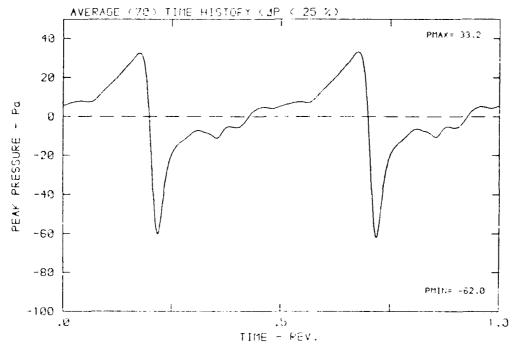


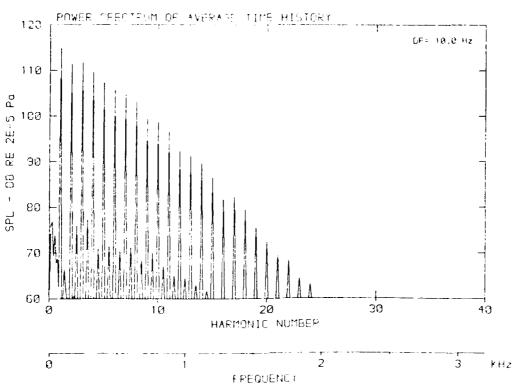
β: 20.7° MH: .7644 n: 2400 rpm v/u: .180 φ: .0° T: 286.6 K



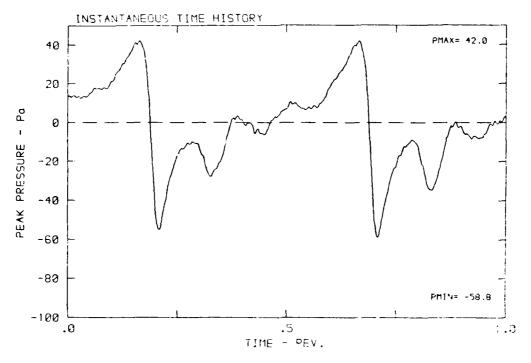


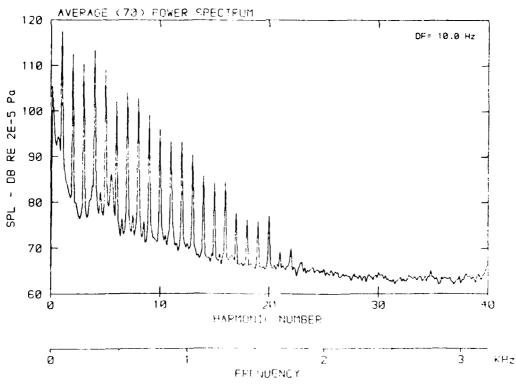
 $\beta\colon\,20.7^{\circ}\,$ MH: .7644 n: 2400 rpm v/u: .180 $\varphi\colon\,.0^{\circ}\,$ T: 286.6 K



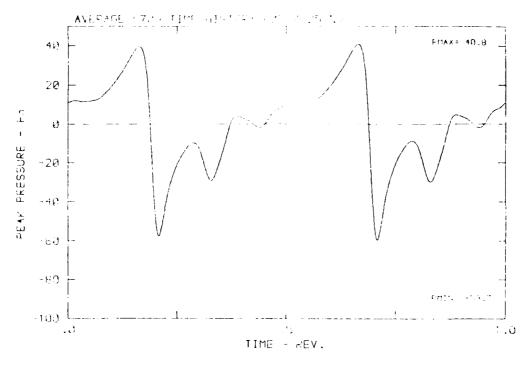


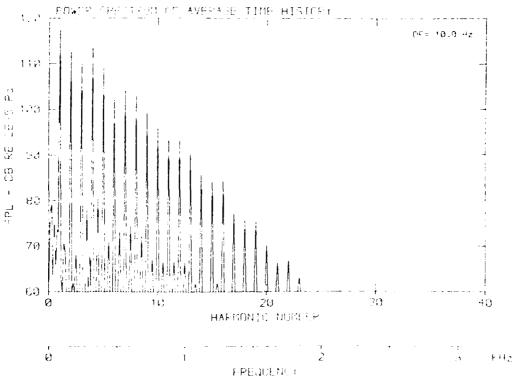
 $β: 20.7^{\circ}$ MH: .7644 n: 2400 npm v/u: .180 φ: .0° T: 286.5 K



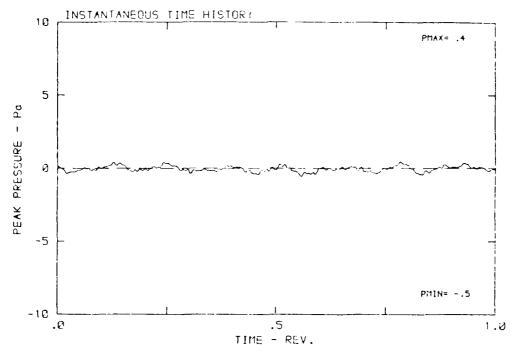


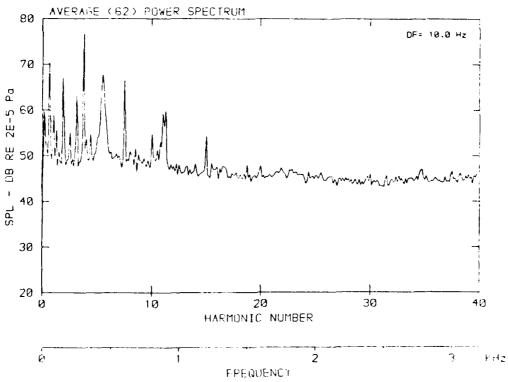
β: 20.0° NH: .3644 n: 2400 rpm v u: .180 φ: .0° T: 285.6 k



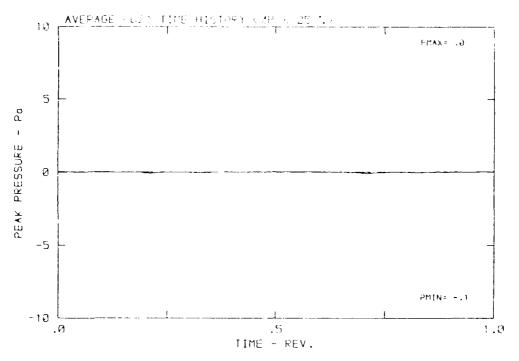


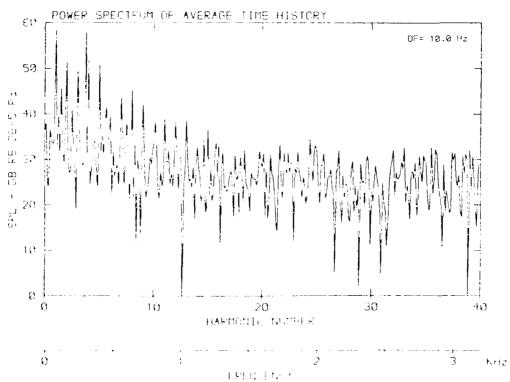
β: 20.7° MH: .7644 n: 2400 rpm v/u: .180 φ: .0° T: β β.5 -



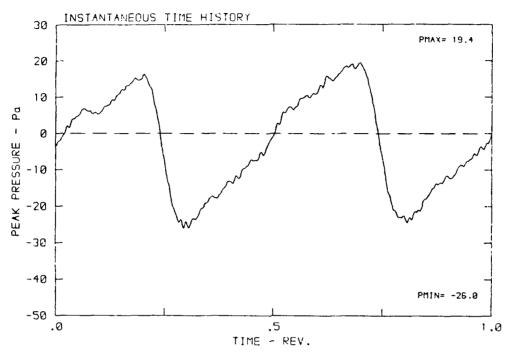


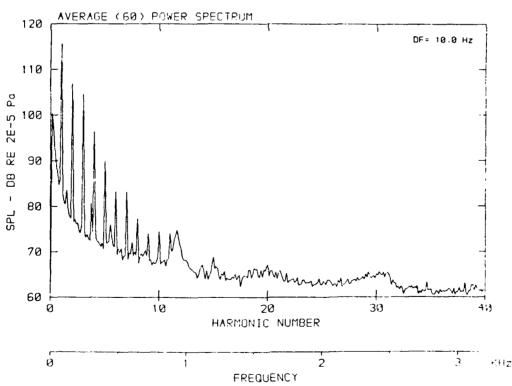
β: 20.7° MH: .7644 n: 2400 rpm $_{\odot}$ u: .182 φ: .3° T: 286.6 κ



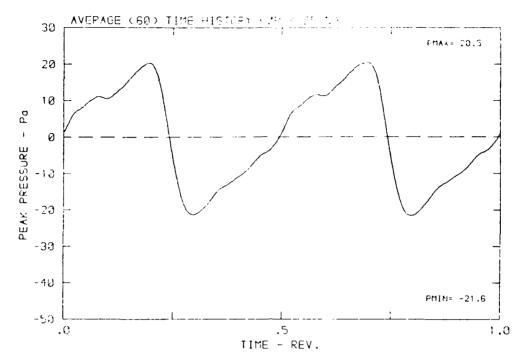


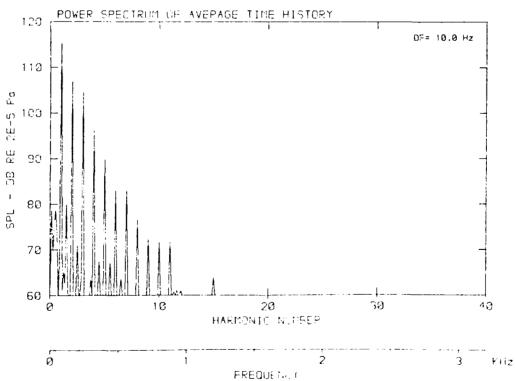
 β : 20.7° MH: .7644 n: 2400 rpm v/u: .180 ϕ : .0° T: 286.6 κ



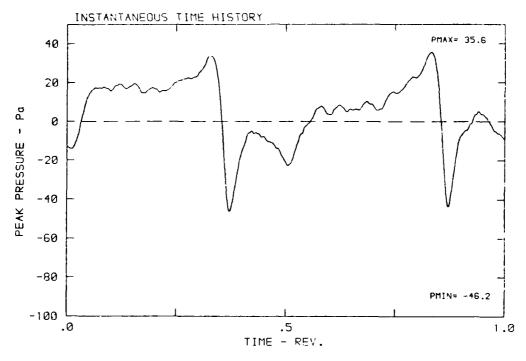


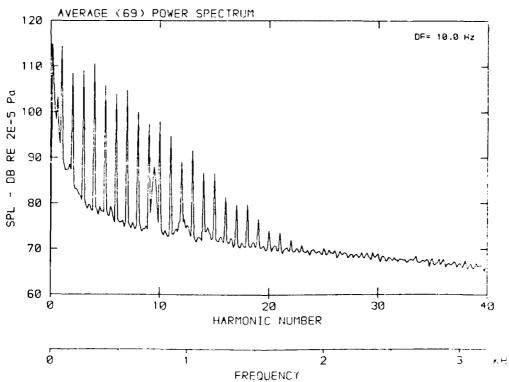
β: 20.7° MH: .7644 n: 2400 rpm (v.u.: .383 β: .3° T: 286.5 κ



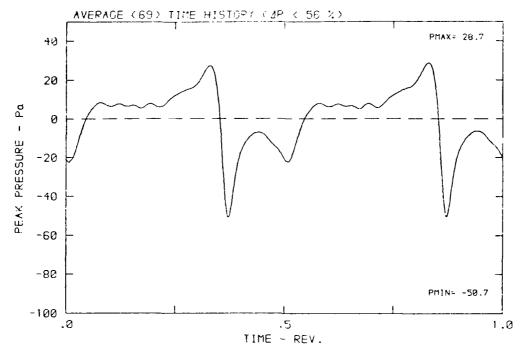


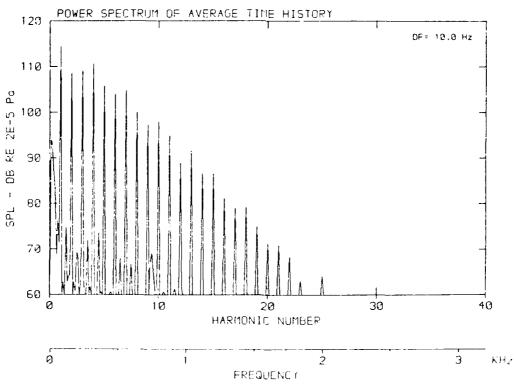
β: 20.7° MH: .7644 h: 2400 npm γ/u: .180 φ: .0° Γ: 186.8 K



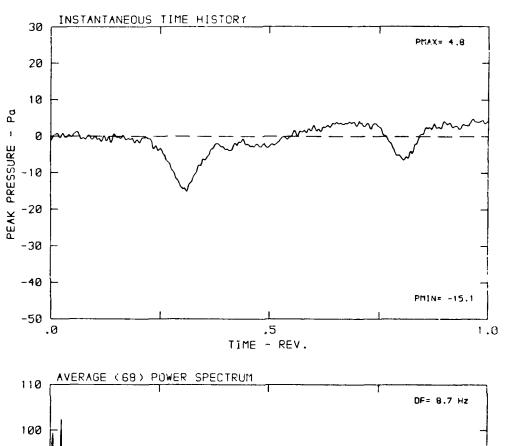


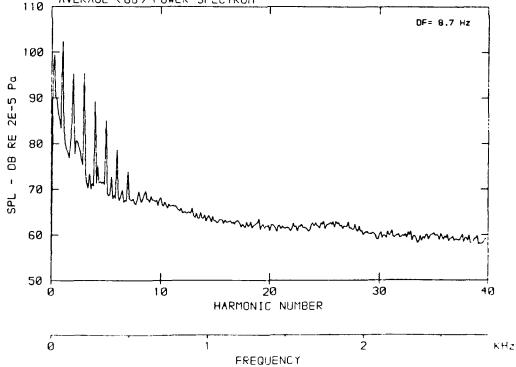
 β : 20.7° MH: .7644 n: 2400 npm v/u: .180 ϕ : .0° T: 285.6 K



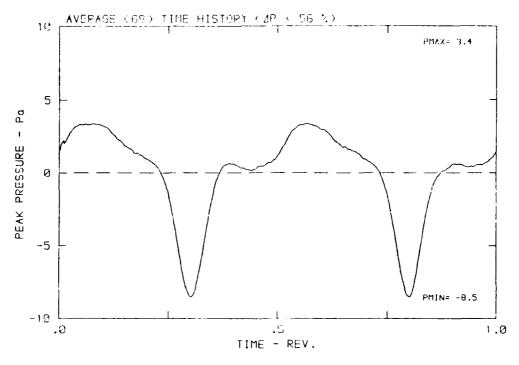


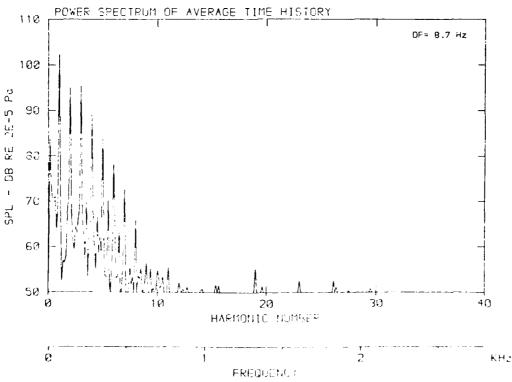
β: 20.7° MH: .6762 n: 2100 npm v/u: .229 φ: .0° T: 285.9 K



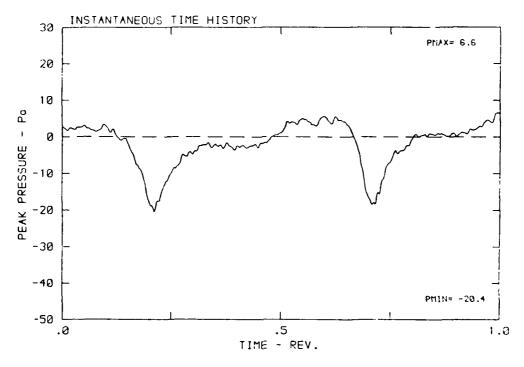


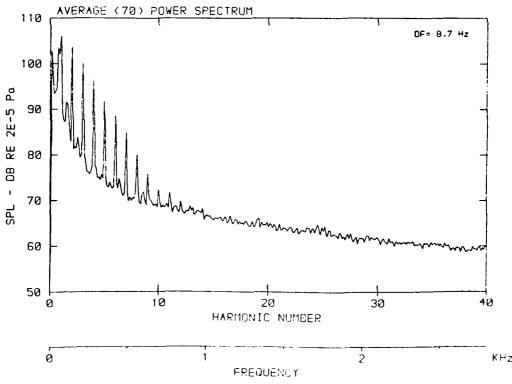
 β : 20.7° MH: .6762 n: 2100 rpm v/u: .229 ϕ : .0° T: 285.9 K



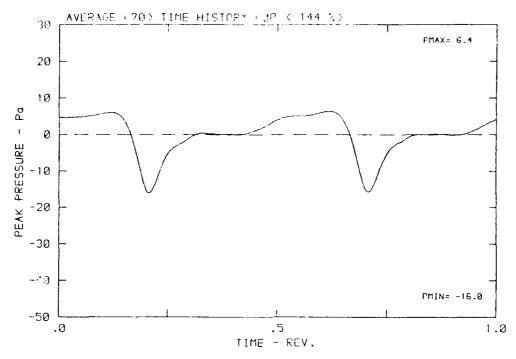


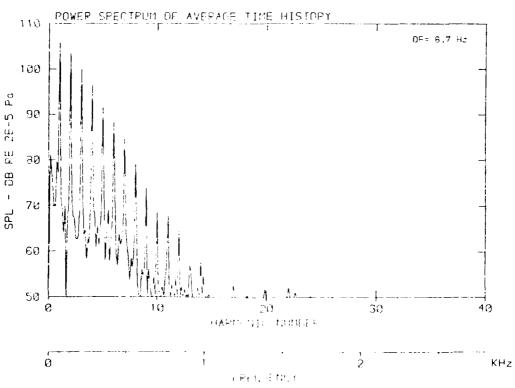
 β : 20.7° MH: .6762 n: 2100 npm v/u: .229 ϕ : .0° T: 285.9 k



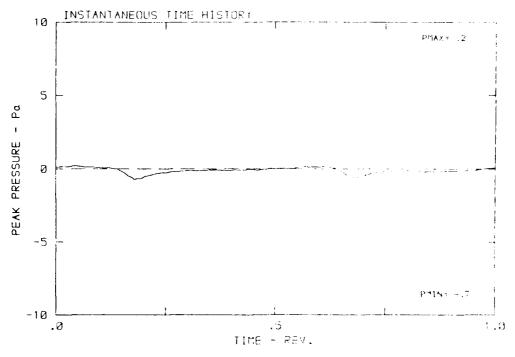


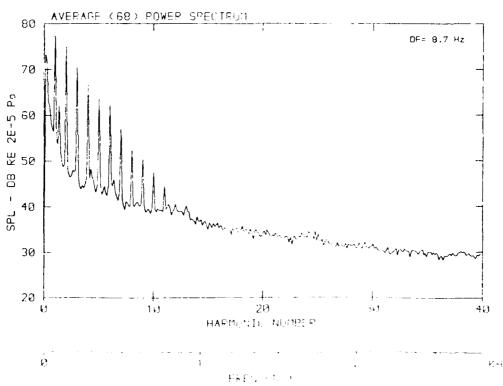
 $\beta: 20.7^{\circ}$ MH: .6762 n: 2100 npm v/u: .229 $\phi: .0^{\circ}$ T: 285.9 K



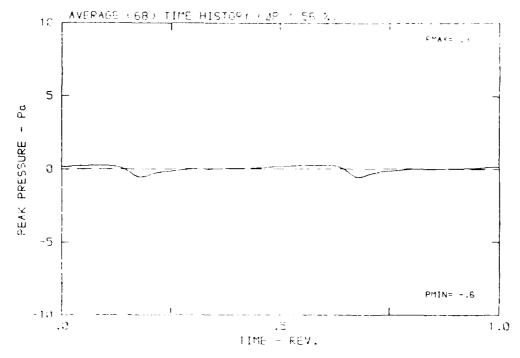


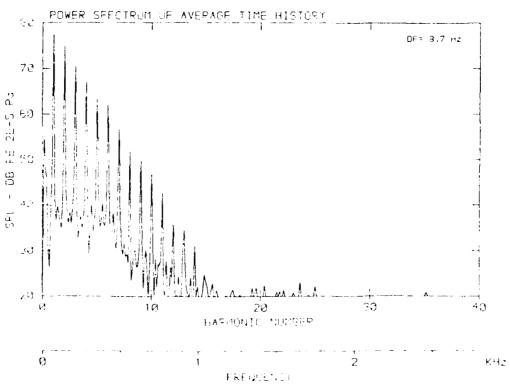
β: 20.7° MH: .6762 n: 2100 κ, κ 270: .229 φ: .25 1:



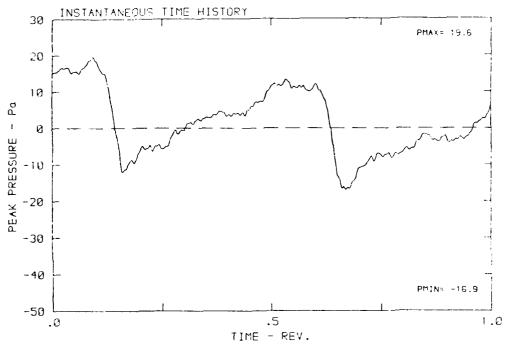


 $\beta\colon 20.7^{\circ}$ MH: .6762 n: 2100 rpm v/u: .229 $\psi\colon .0^{\circ}$ T: 285.9 K

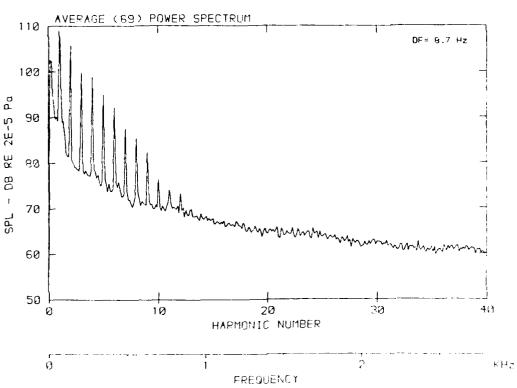




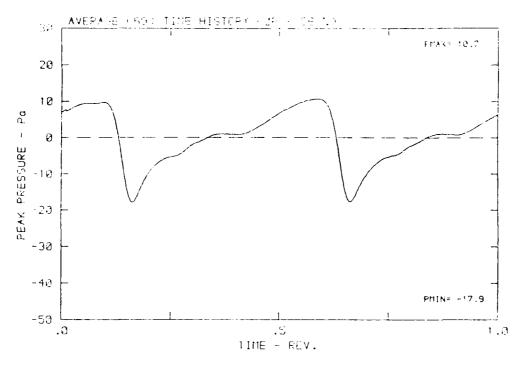
β: 20.7° MH: .6762 n: 2180 npm γ/u: .229 φ: .0° T: 180.5 K

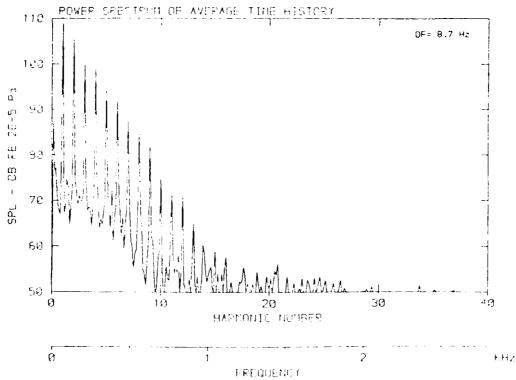


CANTONIO DE L'ANTOCCO LONGO DE L'ANTOCCO DE L'ANTOCCO DE L'ANTOCCO DE L'ANTOCCO DE L'ANTOCCO DE L'ANTOCCO DE L

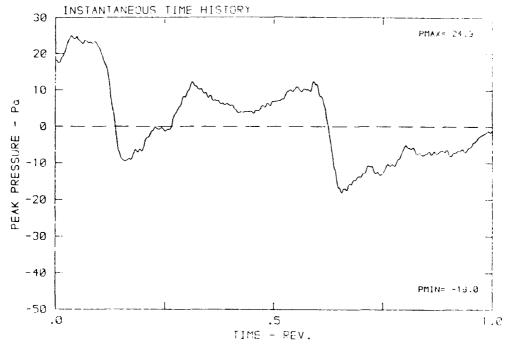


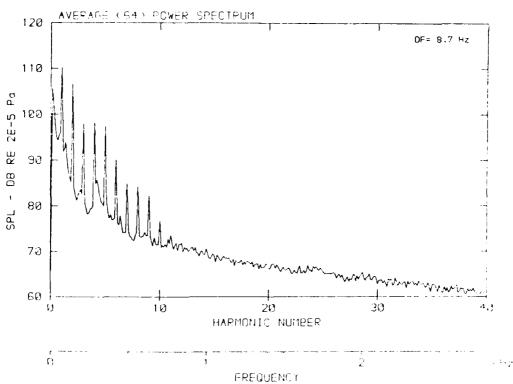
 $\beta \colon 20.7^{\circ} \ \text{MH} \colon .6762 \ \text{n} \colon 2100 \ \text{npm} \ \text{v} \ \text{u} \colon .229 \ \text{$\varphi \colon .00$} \ \text{T} \colon 285.9 \ \text{K}$



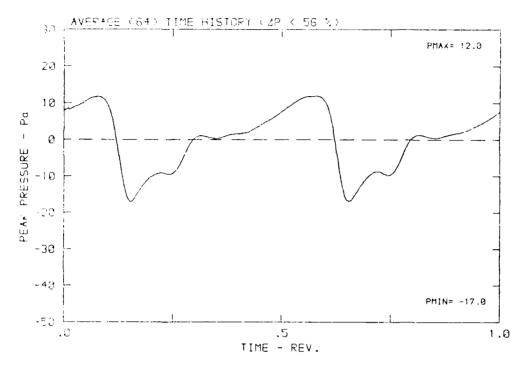


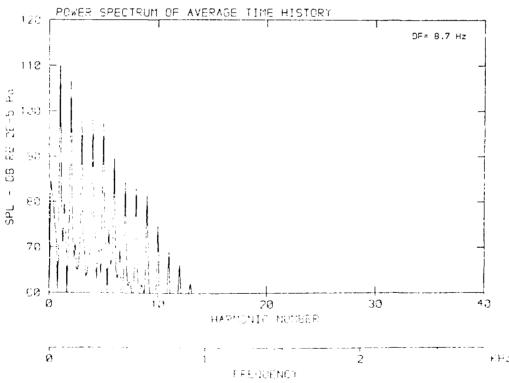
 $\beta\colon\ 20.7^{\circ}$ MH: .6762 n: 2180 rpm v/u: .229 $\varphi\colon\ .0^{\circ}$ T: . %.



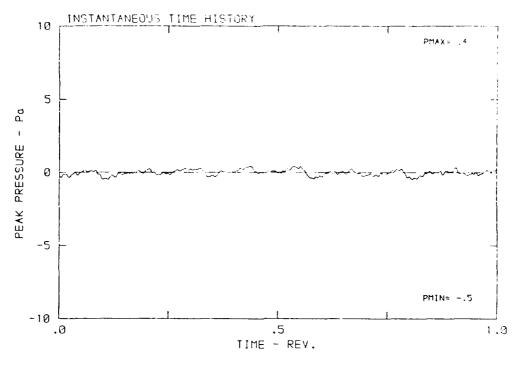


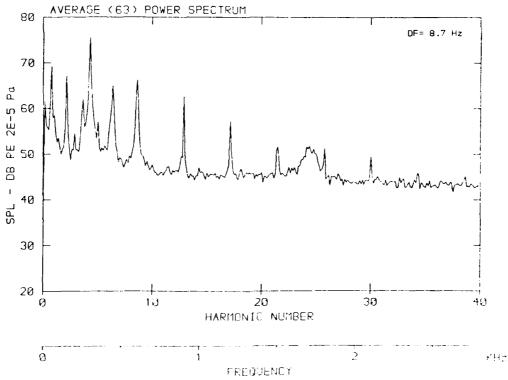
β: 20.7° MH: .6762 n: 2100 rpm v/u: .229 φ: .0° T: 285.9 K



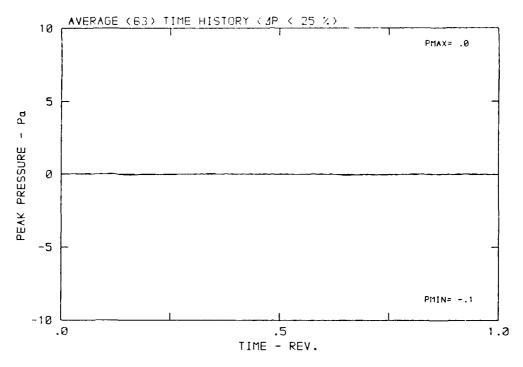


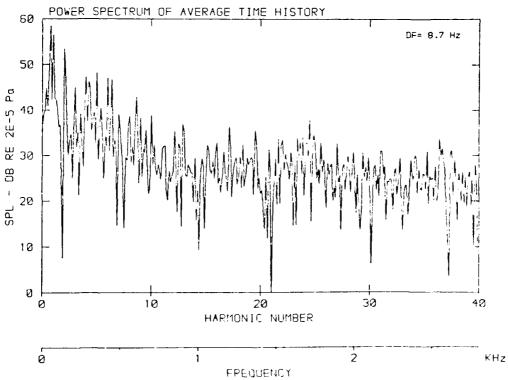
 $\beta\colon 20.7^{\circ}$ MH: .6762 in: 2109 npm v/u: .229 $\varphi\colon .0^{\circ}$ T: 1.5.+7



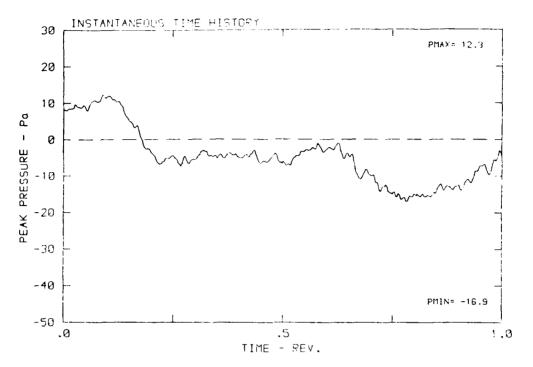


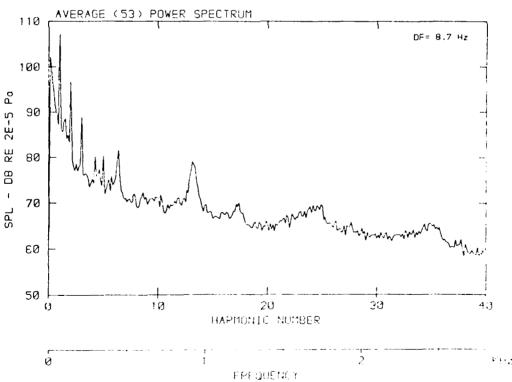
 $\beta\colon\,20.7^{o}\,$ MH: .6762 n: 2100 rpm $\,$ v/u: .229 $\,$ $\varphi\colon\,.0^{o}\,$ T: 285.9 K



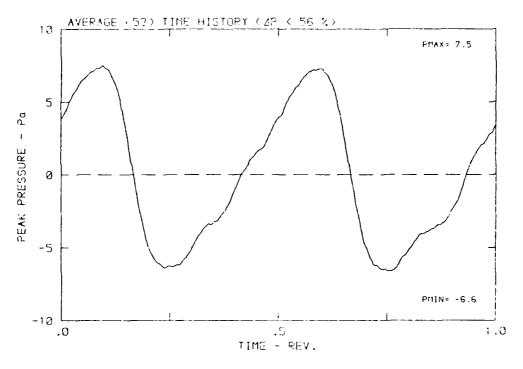


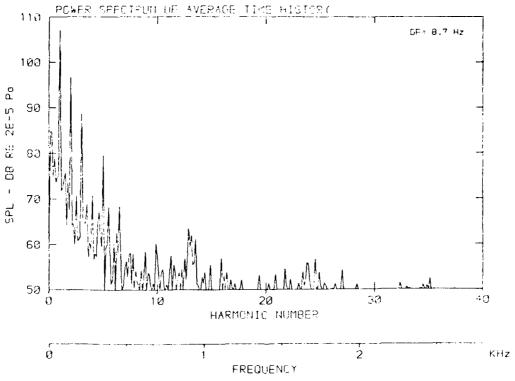
β: 20.7° MH: .6762 n: 2100 rpm \/u: .229 φ: .0° T: 285.9 K



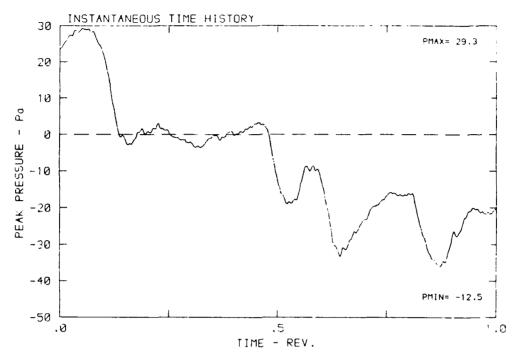


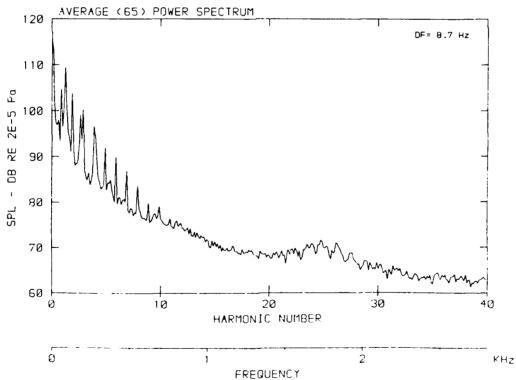
 β : 20.7° MH: .6762 n: 2100 rpm v/u: .229 ϕ : .0° T: 285.9 K



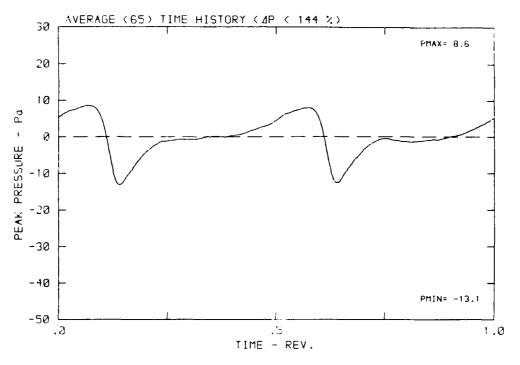


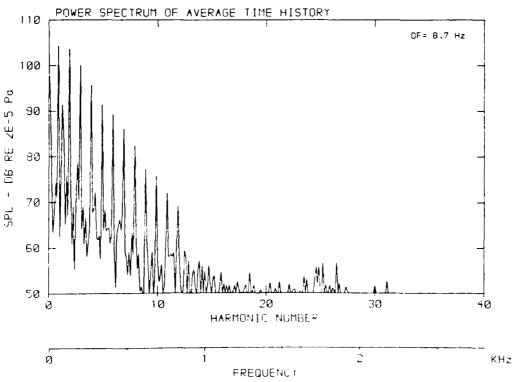
β: 20.7° MH: .6762 n: 2100 rpm γ/u: .219 φ: .0° T: 185.3 F



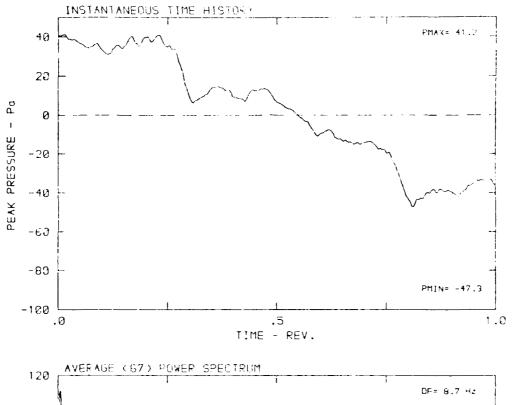


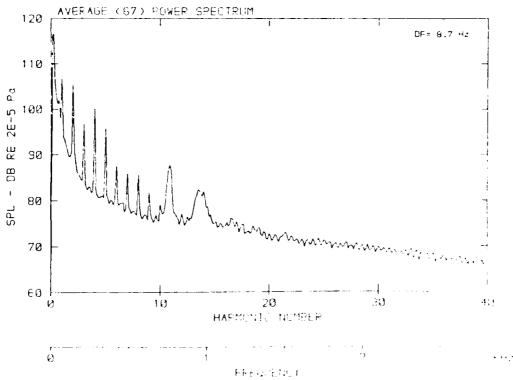
 β : 20.7° MH: .6762 n: 2100 rpm v/u: .229 ϕ : .0° T: 285.9 K



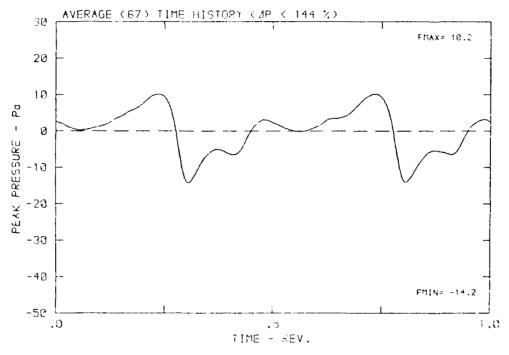


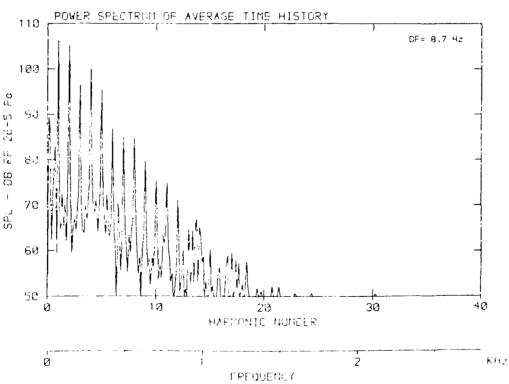
β: 20.7° MH: .6762 h: 2100 rph . u: .200 φ: .0° T: 085.9 K



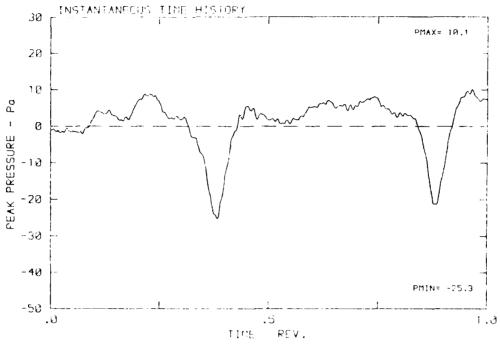


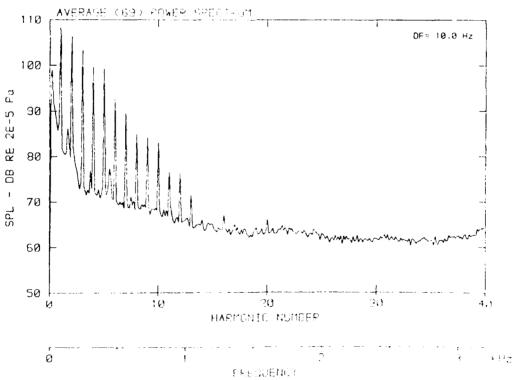
 β : 20.7° MH: .6762 n: 2100 rpm v/u: .229 ϕ : .0° T: 285.9 K



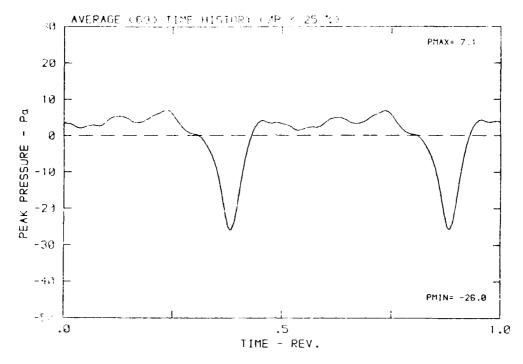


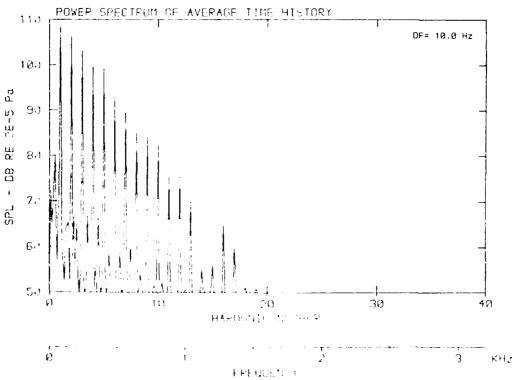
β: 20.7° MH: .7671 h: 2480 rpm γ/u: .202 φ: .0° T: 286.3 K





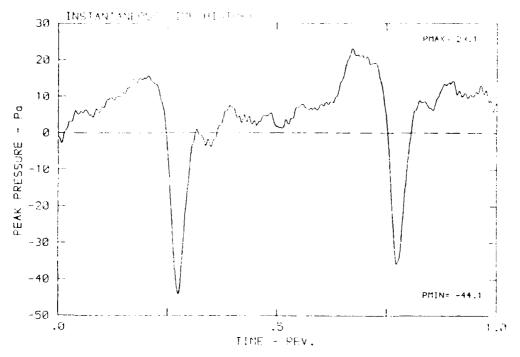
 $\beta\colon\,20.7^{\circ}\,$ MH: .7671 in: 2400 npm viu: .202 $\phi\colon\,.0^{\circ}\,$ T: 286.9 K

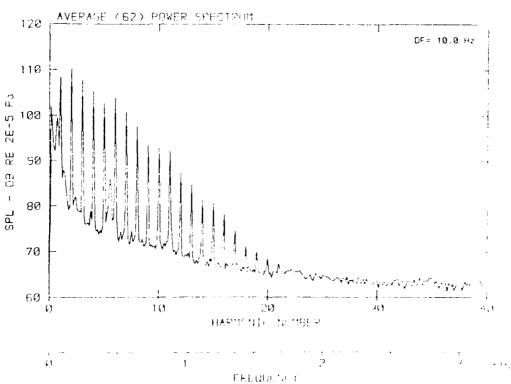




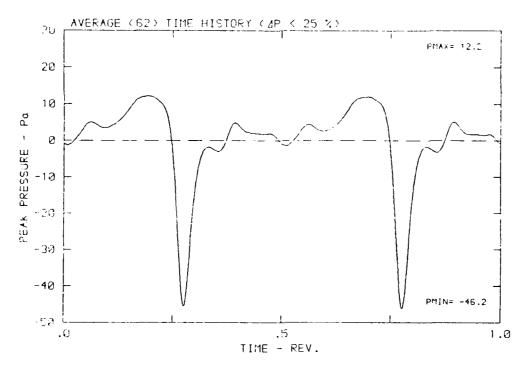
DATA POINT: BC-5 RIN: V/ MP: 2

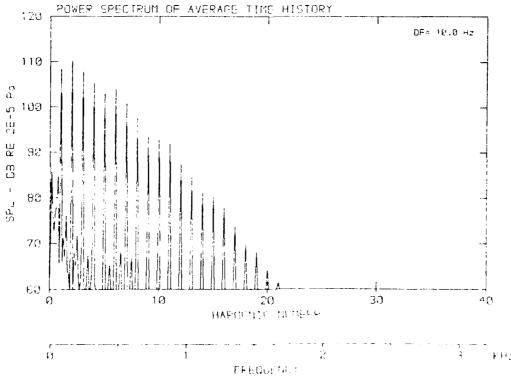
 $\beta\colon 20.7^{\circ}$ MH: .7671 h: .400 h h .701 $\phi\colon .70.^{\circ}$ J: 186.9 k



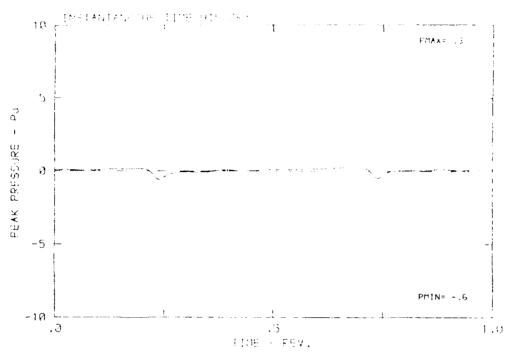


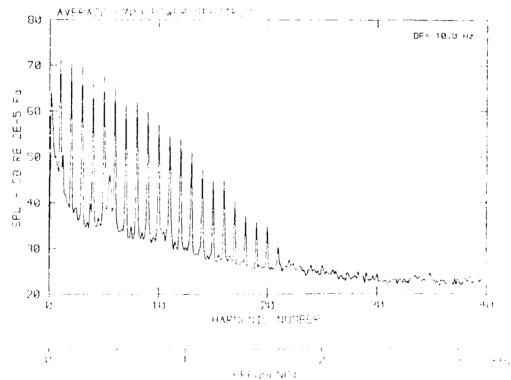
β: 20.7° MH: .7671 n: 2400 rpm v/u: .202 ψ: .0° T: 286.9 K



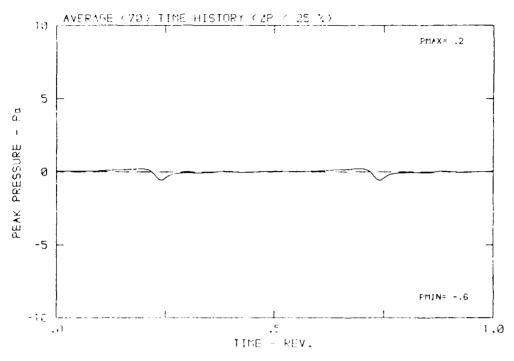


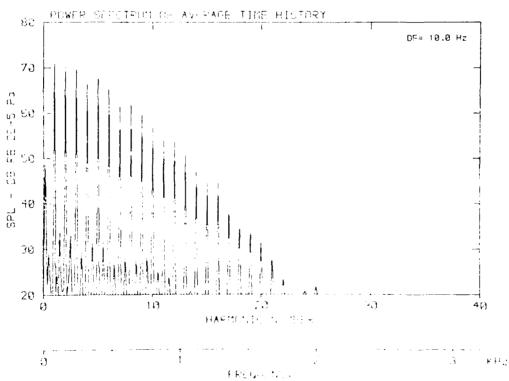
 $\beta: 20.7^{\circ}$ this field in the property of the property $\beta: 20.7^{\circ}$ this field in the property $\beta: 20.7^{\circ}$





 $\beta: 20.7^{\circ}$ MH: .7671 n: 2400 rpm v/u: .202 $\phi: .0^{\circ}$ T: 286.9 K

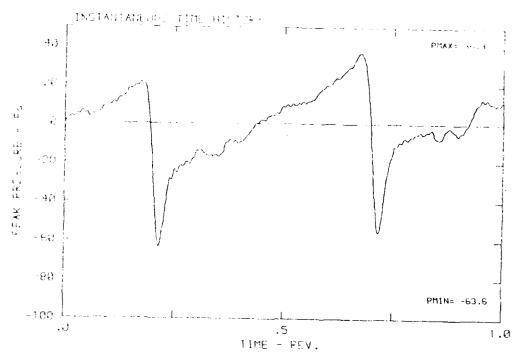


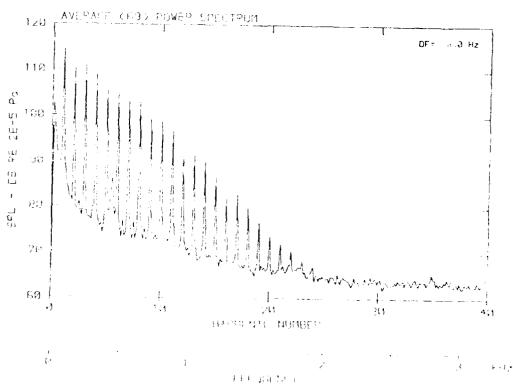


CONTRACTOR SECSESSION OF CONTRACTOR OF CONTRACTOR

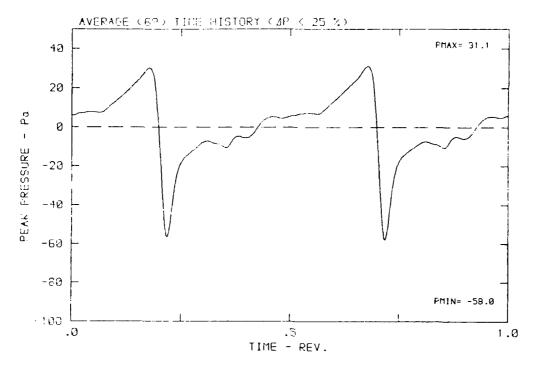
DATA PUINT: BO 5 RUN. 72 MP: -- 1

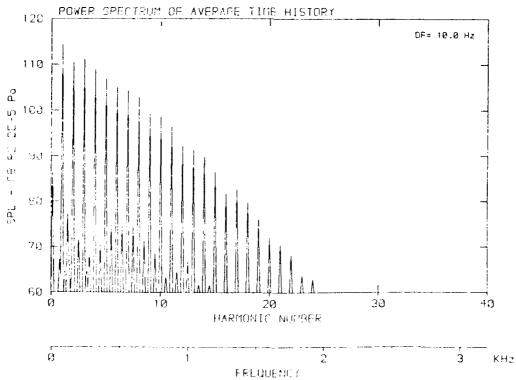
β: 20.76 MH: .7671 n: 24.00 epm / u: .../ γ: .00 (: .../)





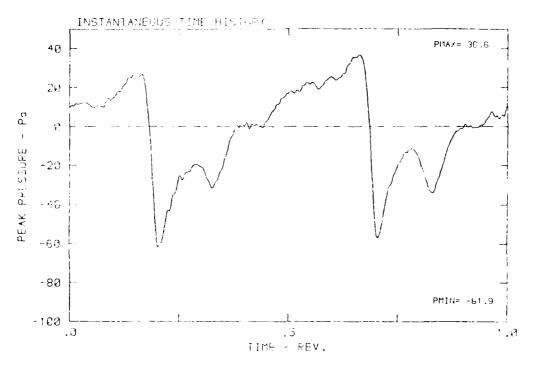
 β : 20.7° MH: .7671 n: 2400 rpm v/u: .202 ϕ : .0° T: 286.9 K

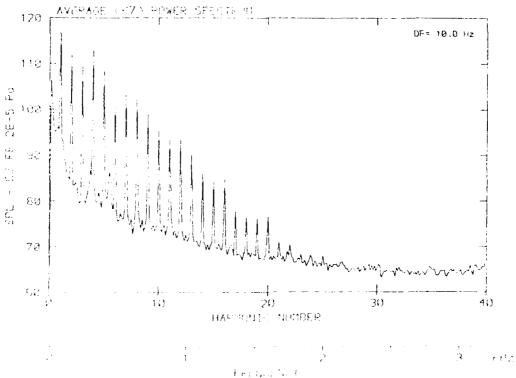




DATA POINT: BC-5 FUN: 72 MP: 5

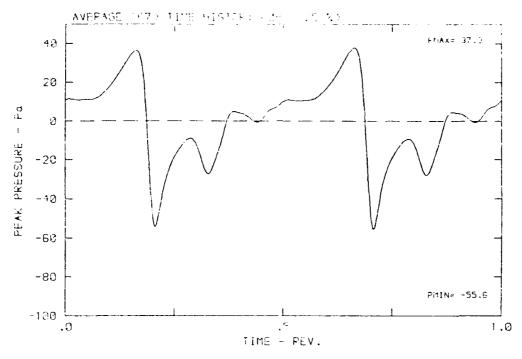
β: 20.7° MH: .7671 n: 2400 γμη γ/u: .202 φ: .0° T: 286.9 κ

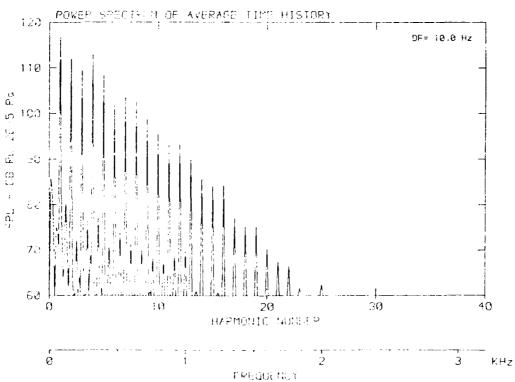




DATA POINT: 80 5 FRA: 72 MP: 5

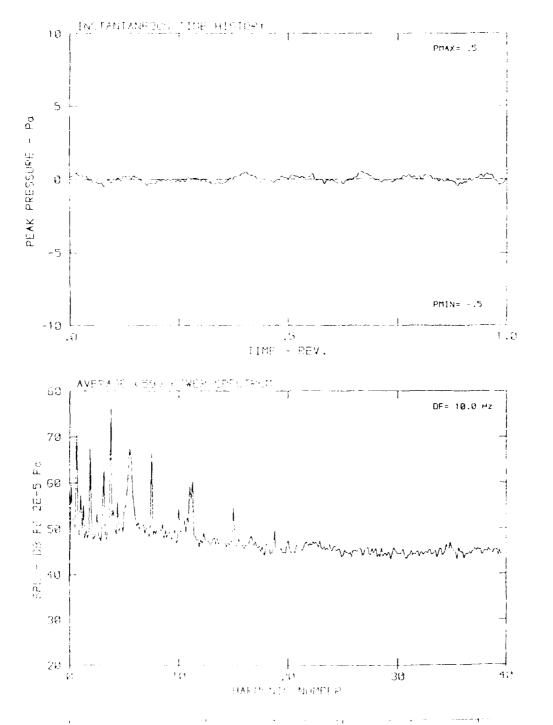
β: 20.7° MH: .7671 n: 2400 mpn . ω: .202 p: .3° T: 286.9 K





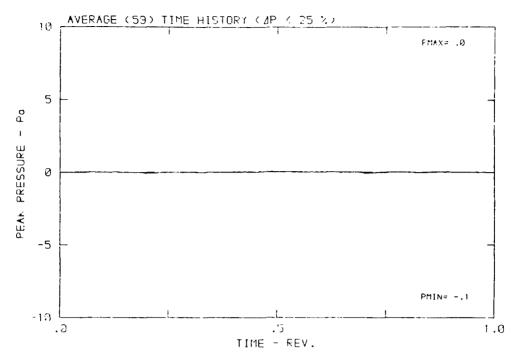
DATA POINT: BOSS PIN: 72 NP: 5

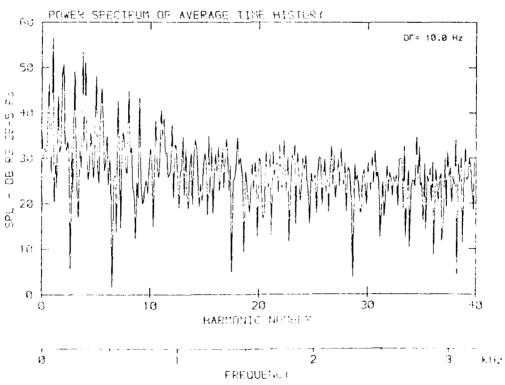
β: 20.7° Her: 778/1 in: 2400 rps (v u: .207 φ: .0° f: .-0.5 /



1.14.11

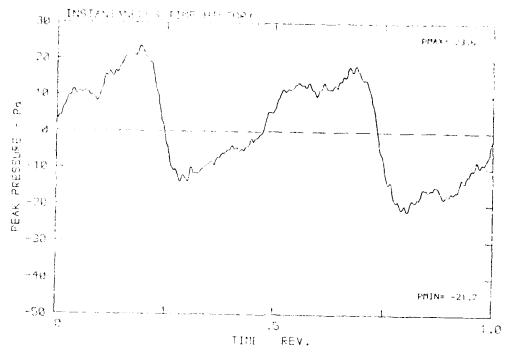
 β : 20.7° MH: .7671 n: 2400 rpm v/u: .202 ϕ : .0° T: 286.9 K

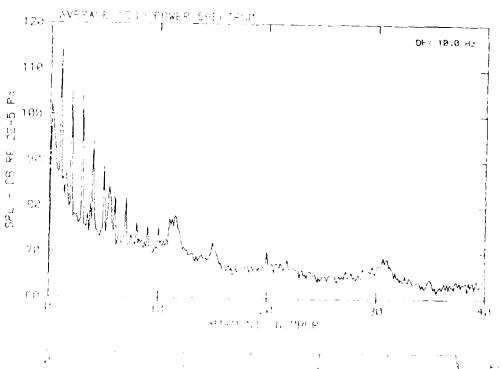




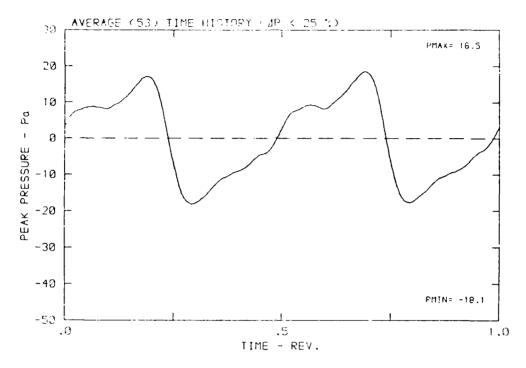
DATA PUINT: BOLS FUN: 7

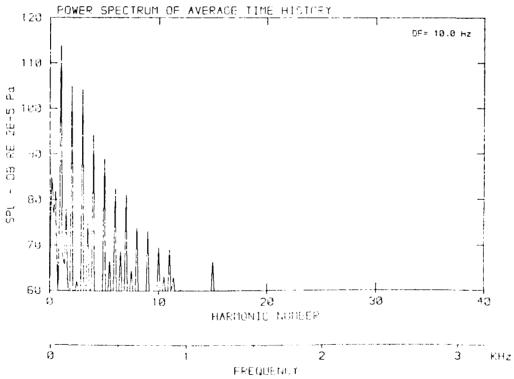
β: 20.7° DH: .7671 n: 2400 npm (v/a: .200 β: .0° 1: 5.4.





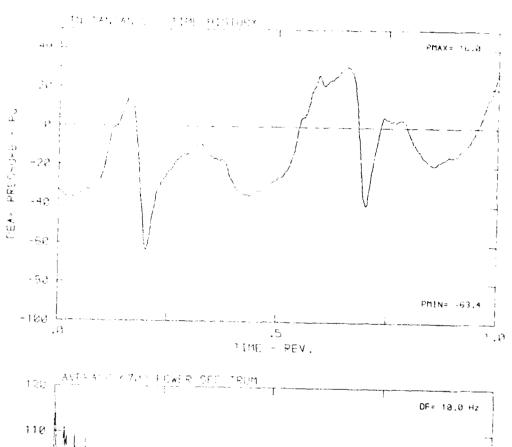
 β : 20.7° MH: .7671 n: 2400 rpm v/u: .202 ϕ : .0° T: 286.9 K

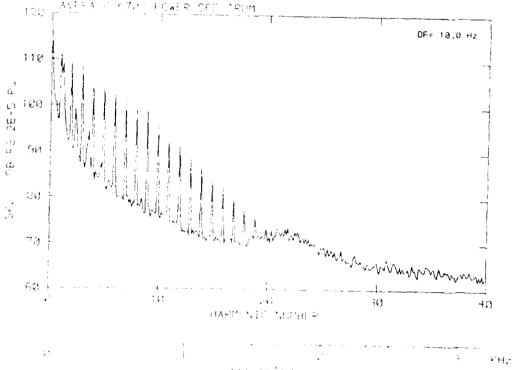




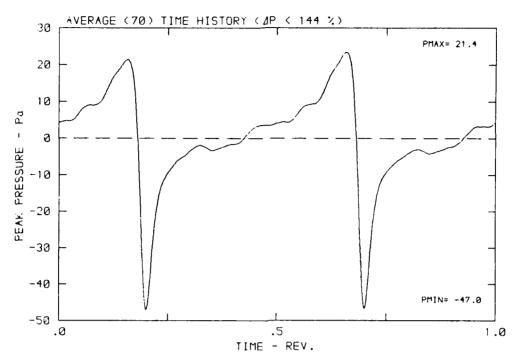
DATA FORMET FOR 72 MP: PTT

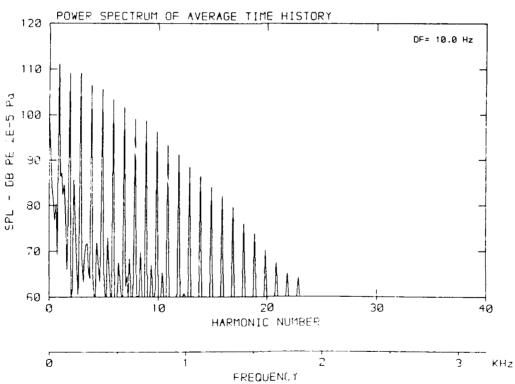
β: 20.7° MH: 1983 F: 2408 Fp - V/G: 1282 φ: .0° T: 185.5 K



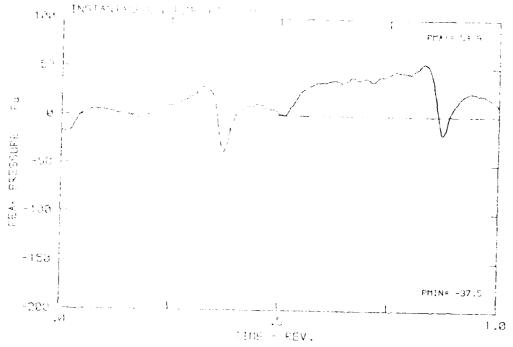


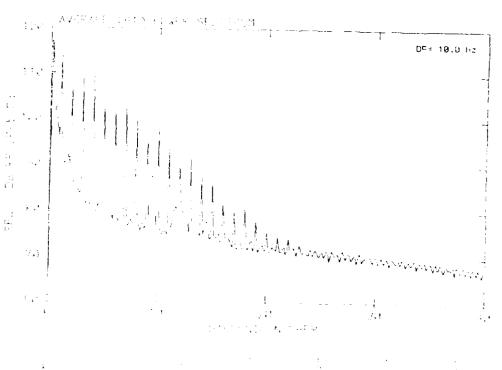
 β : 20.7° MH: .7671 n: 2400 rpm v/u: .202 ϕ : .0° T: 286.9 K





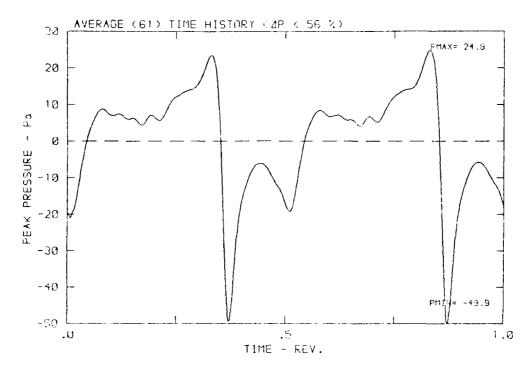
DATA MAINE BOOK BOOK TOP: 1



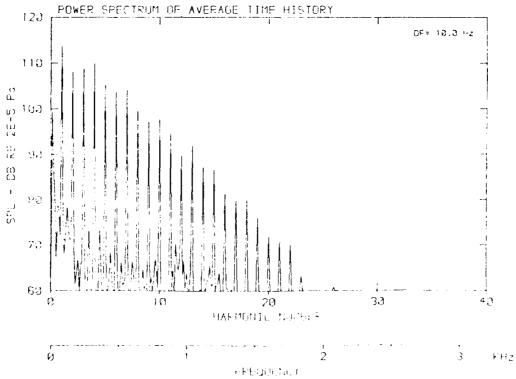


第2000円 1000円 1000 1000円 1000円 1000円 1000円 1000円 1000円 1000円 1000円 1000円

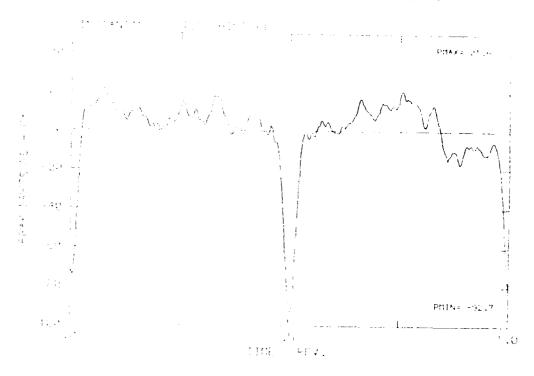
 $\dot{\beta}$: 20.7° MH: .7671 n: 2400 rpm $\mbox{ v/u}$: .202 $\mbox{ } \dot{\phi}$: .0° T: 286.9 K

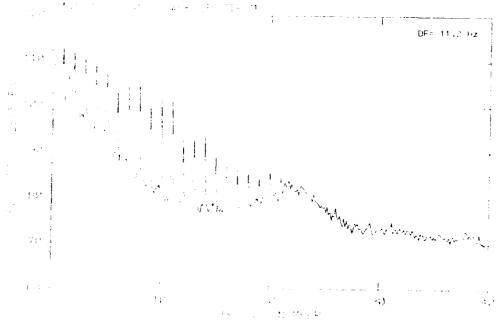


CONTROL CONSISSION CONTROL CON

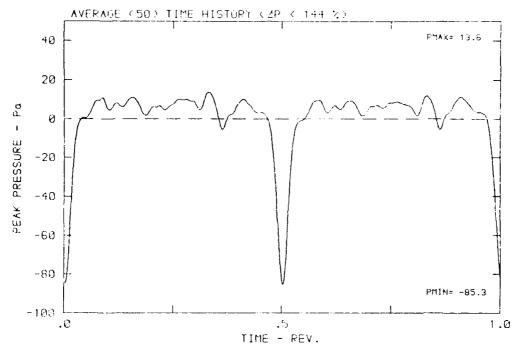


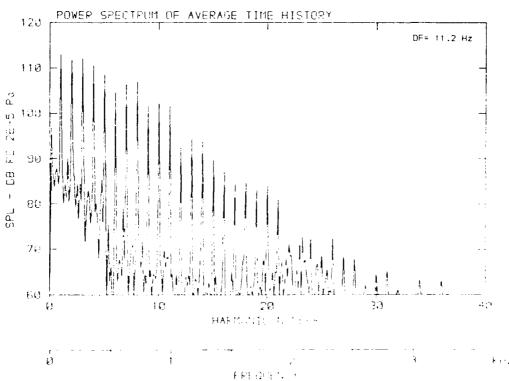
DATA OF NO STORY OF THE STORY OF THE STORY





β: 20.7° MH: .8775 n: 2700 rpm \sqrt{a} : .268 φ: .0° T: 285.8 K

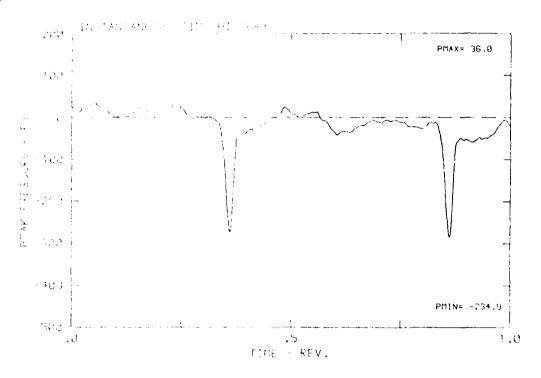


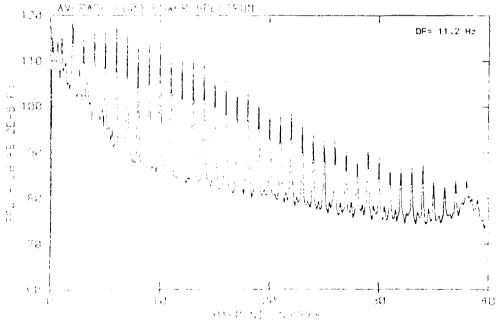


河のからない 類の とうとう 難っていいい (間できていて) 発見なるのないない 間に

DATA PRODUCE BOTH RUNG 70 MP: 2

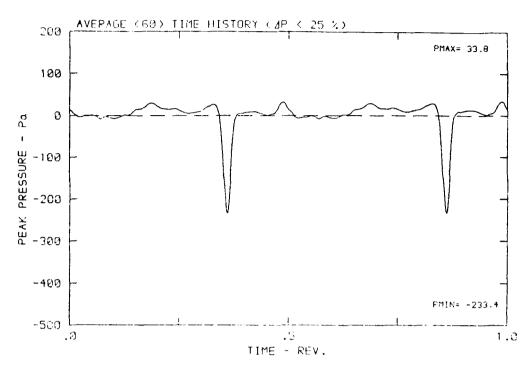
β: 23.7 (29): 17 (20): 17 (20): 18 (20): 18 (20): 19 (20): 18 (20): 19 (20

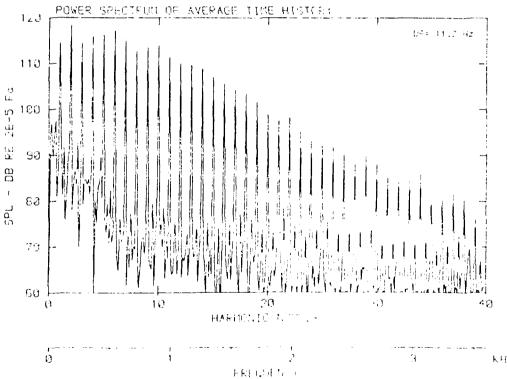




KH2

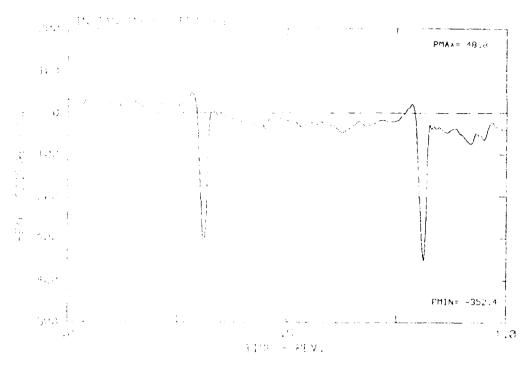
 $β: 20.7^{\circ}$ MH: .8775 n: 2700 rpm v/u: .268 φ: .0° T: 255.8 κ

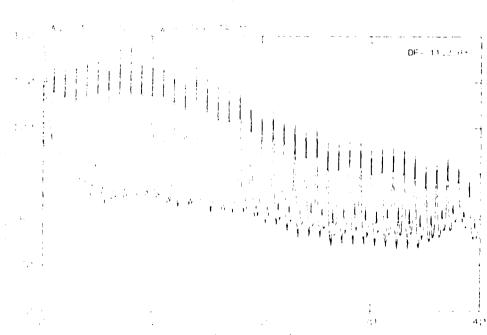




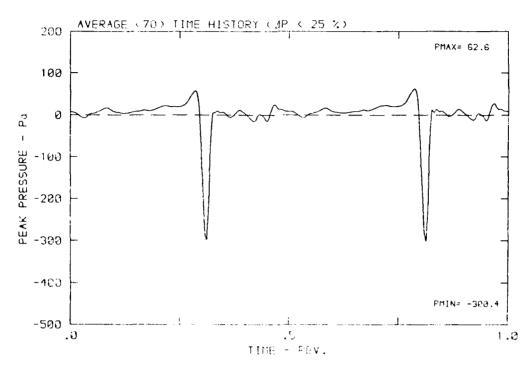
DATA DE PROPERZO NO MP: 3

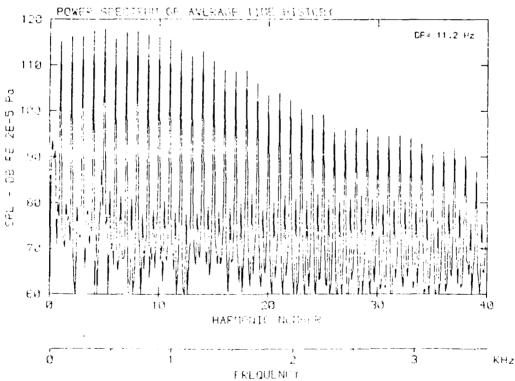
β: 17.7 Pet 1 - 00 17.7 Pet 285.8 km



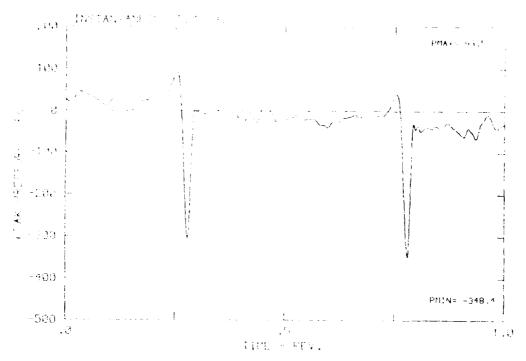


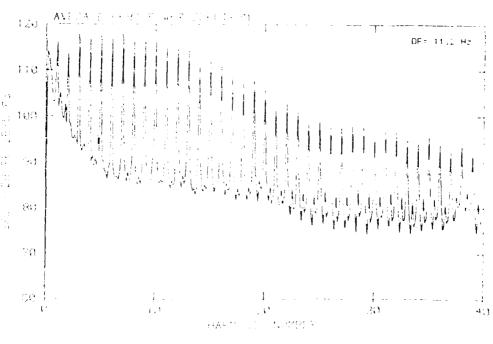
 β : 20.7° MH: .8775 n: 2700 rpm v/u: .268 ϕ : .0° T: 285.8 K



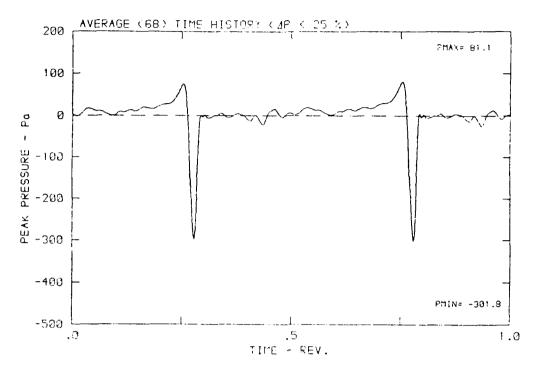


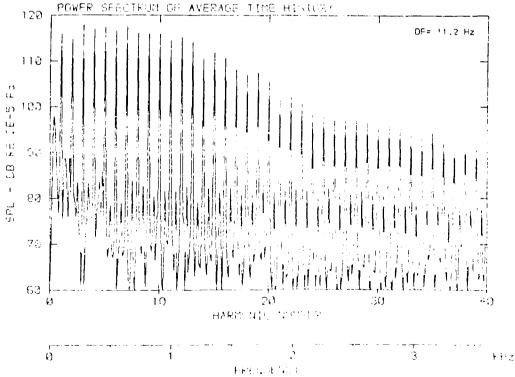
DATA POINTED A PRINT VOICE NOTE 4 TO





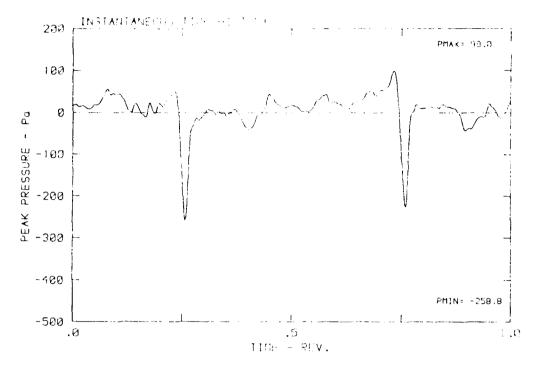
 β : 20.7° MH: .8775 n: 2700 ppm v/u: .268 ϕ : .0° T: 285.8 K

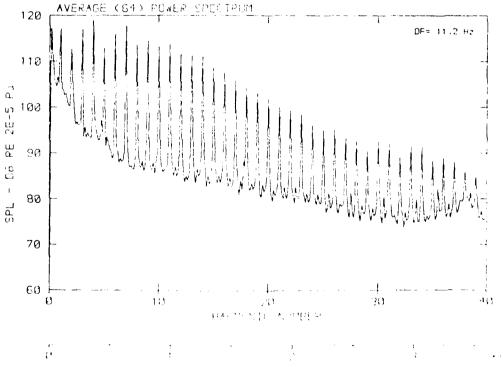




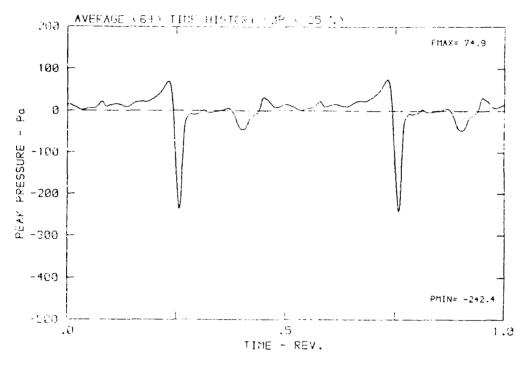
DATA POINT: BOOK RUN: 70 MP: 5

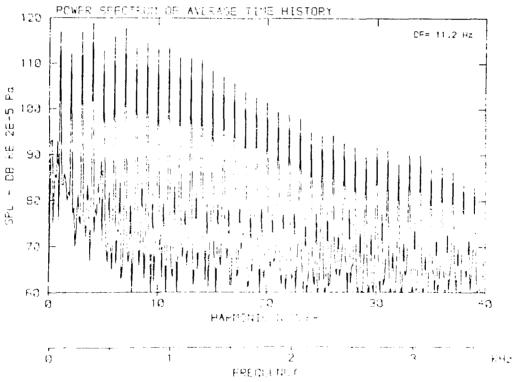
β: 20.7° MH: .877% A: .777 a; s a: .748 β: .0° F: .85.8 k





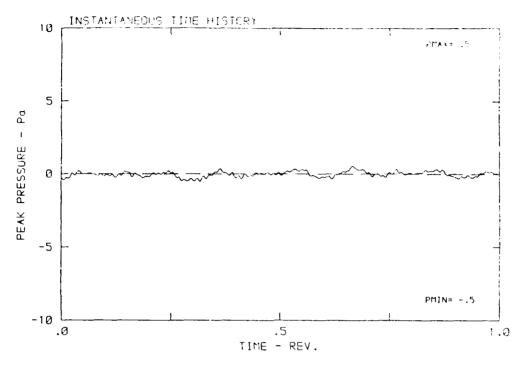
 $\beta\colon\,20.7^{\text{o}}\,$ MH: .8775 n: 2780 rpm $\,\text{v}\,\text{u}\colon\,.268\,$ $\,\psi\colon\,.0^{\text{o}}\,$ T: 285.8 K

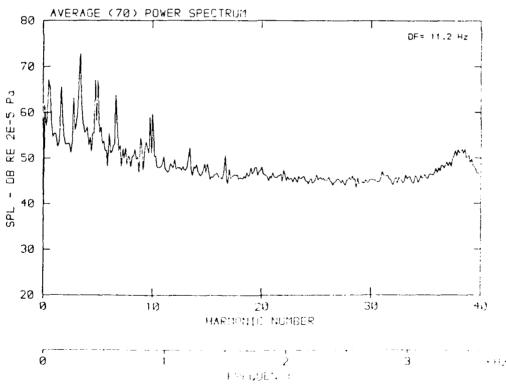




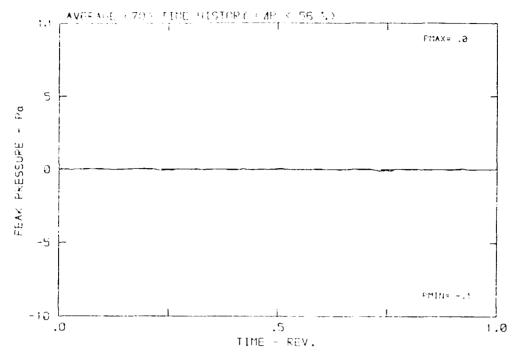
202022 USSASSI DEGESTA DECESSO DEGESTAS

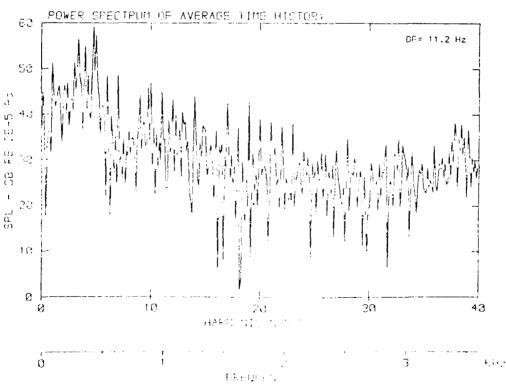
8: 20.7° MH: .8775 n: 2700 r, m \times u: .293 U: .0° T: 180.8



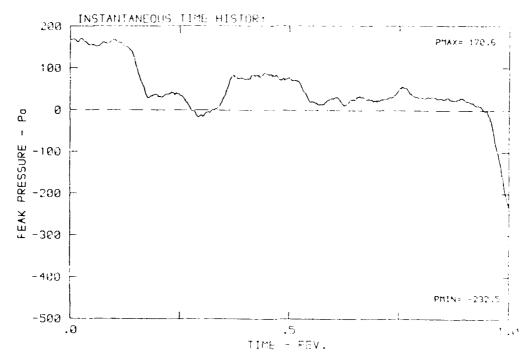


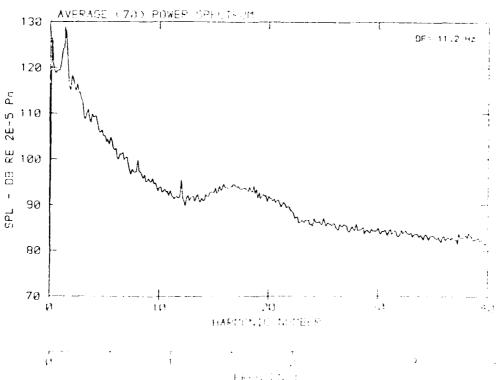
 $\beta\colon 20.7^{\circ}$ MH: .6775 n: 2700 rpm vzu: .268 4: .0° T: 285.8 k



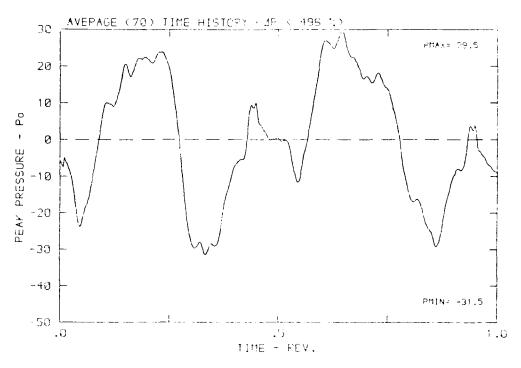


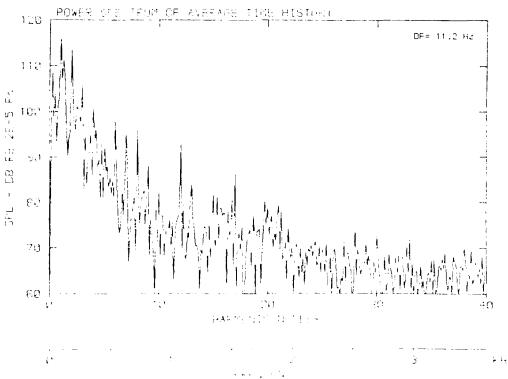
β: 20.7° MH: .8775 m: 2755 ar; π ν α: .115 μ: .06 f: .46 .46



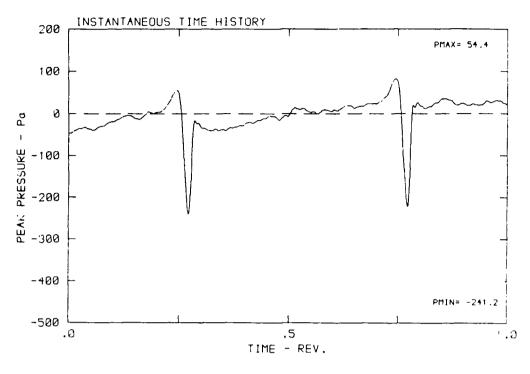


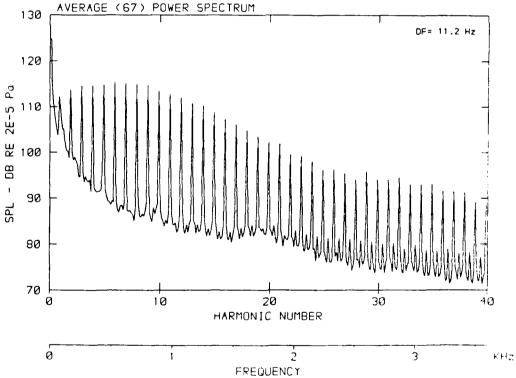
β: 20.7° MH: .8775 n: 2700 rpm γ/u: .288 φ: .0° T: 285.8 K



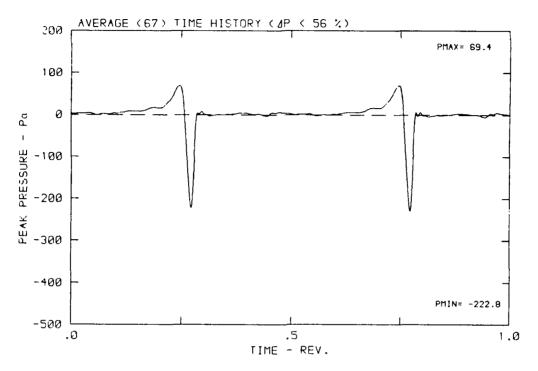


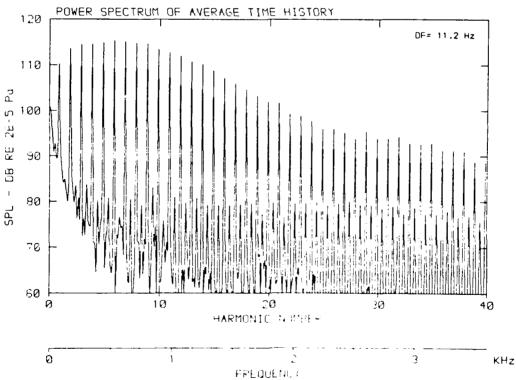
 β : 20.7° MH: .8775 n: 2700 rpm v/u: .268 ϕ : .0° T: 285.8 K



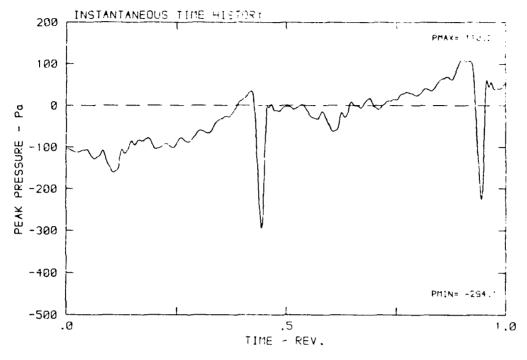


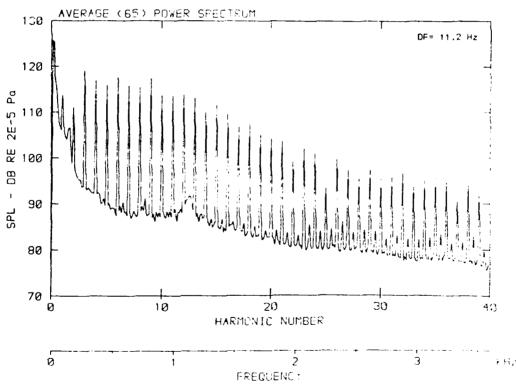
 β : 20.7° MH: .8775 n: 2700 rpm v/u: .268 ϕ : .0° T: 285.8 K



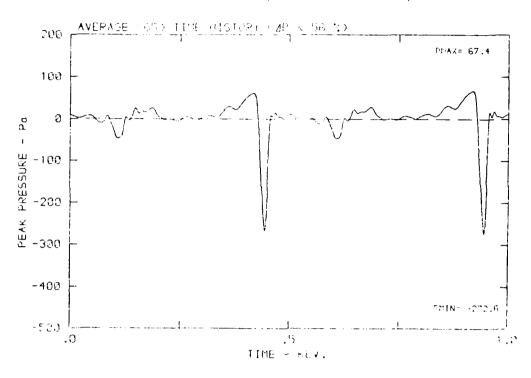


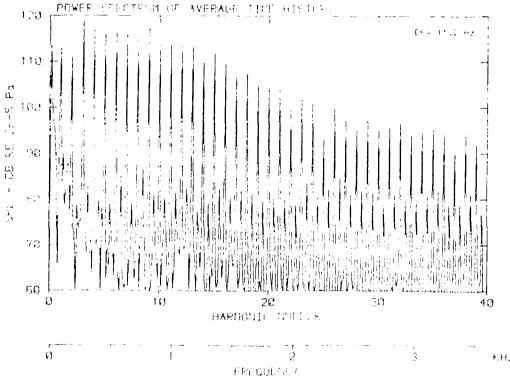
β: 20.7° MH: .8775 n: 2732 γpm κ ω: .258 φ: .2 1: 235.62



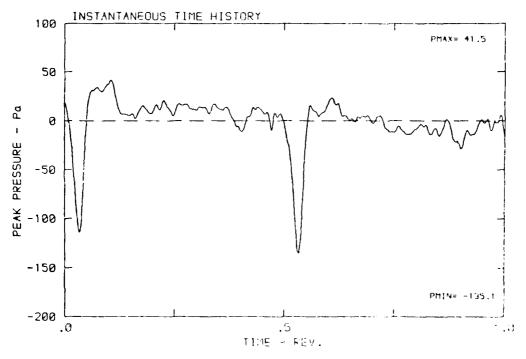


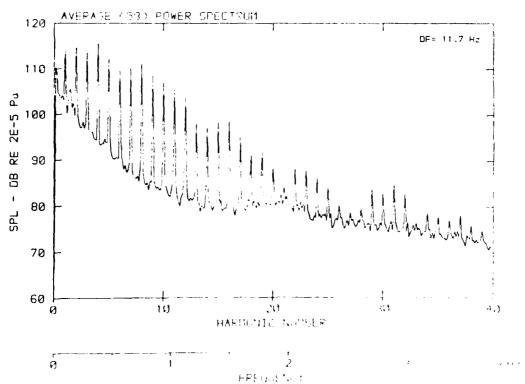
 β : 20.7° MH: .8775 n: 2700 npm v/u: .268 ϕ : .0° T: 285.8 K



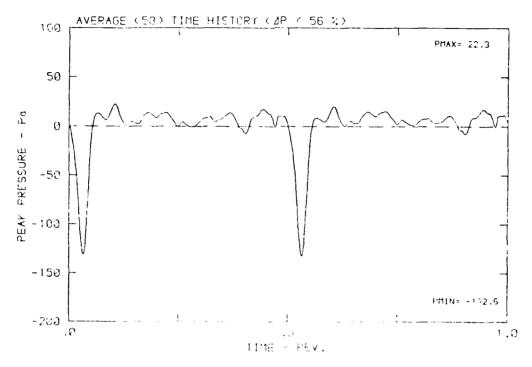


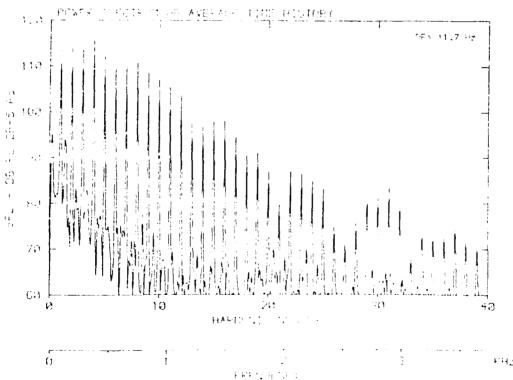
β: 20.7° MH: .9064 n: 2800 npm γ/u: .290 φ: .0° T: 286.9 F



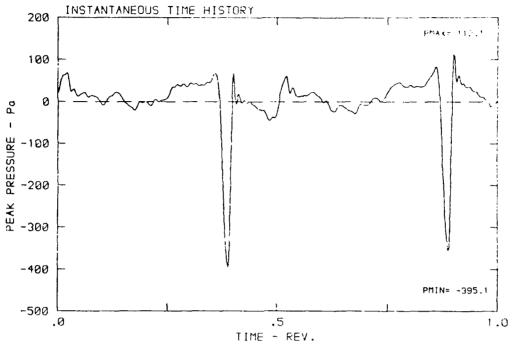


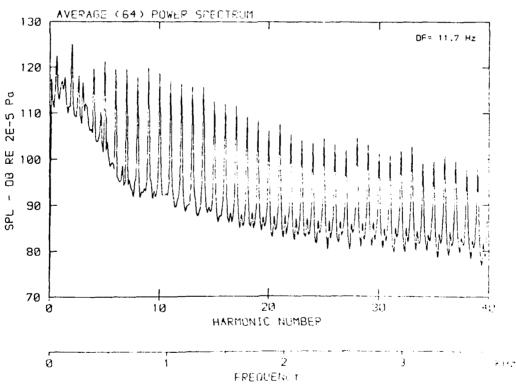
 β : 20.7° MH: .9064 n: 2800 rpm v/u: .260 ϕ : .0° T: 286.9 K





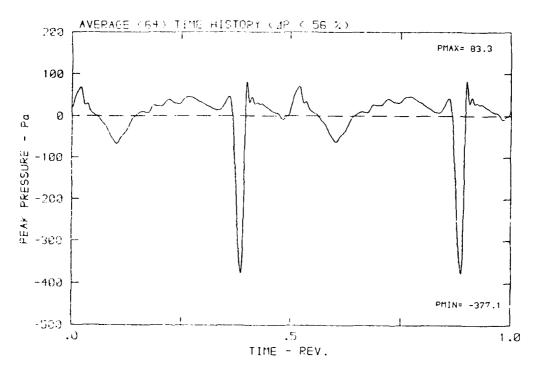
β: 20.7° MH: .9064 n: 2800 npm v/u: .260 φ: .0° f: 280.9 F

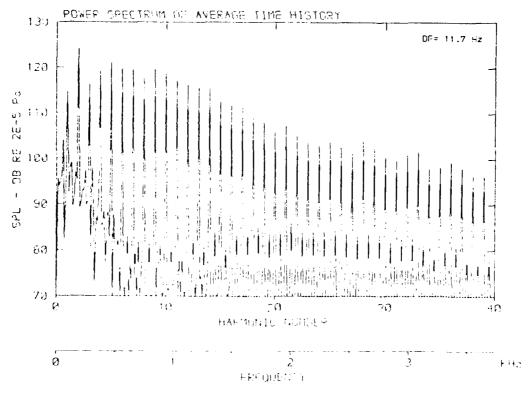




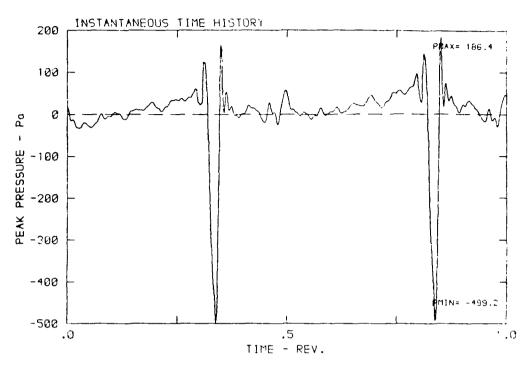
スプラス 間でいたななない。

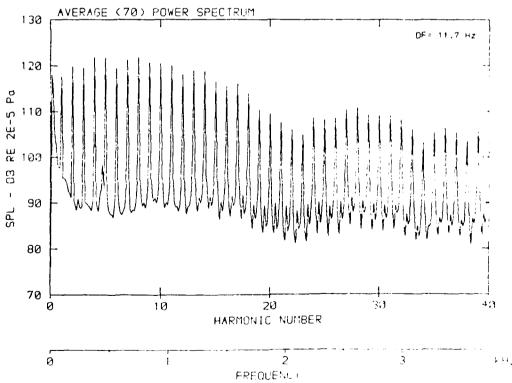
 β : 20.7° MH: .9364 n: 2800 rpm v/u: .260 ϕ : .0° T: 286.9 K



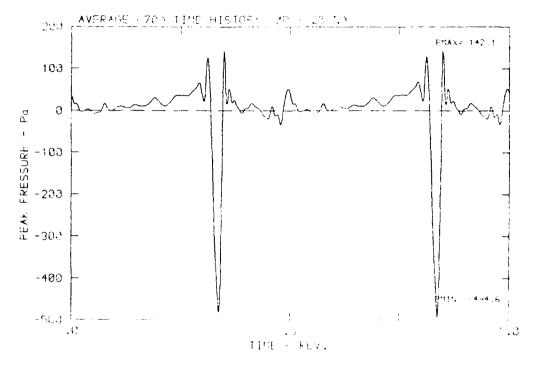


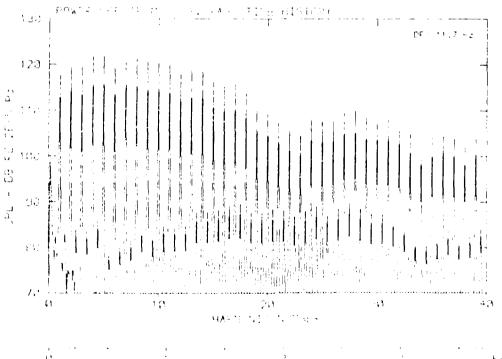
β: 20.7° MH: .9064 n: 2800 rpm σ/u: .260 β: .3° I: . σ. ·





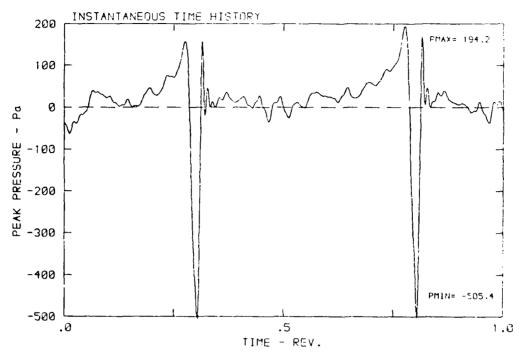
 $\beta\colon 20.7^{\circ}$ MH: .9864 n: 2800 rpm v u: .280 $\phi\colon .0^{\circ}$ T: 286.9 K

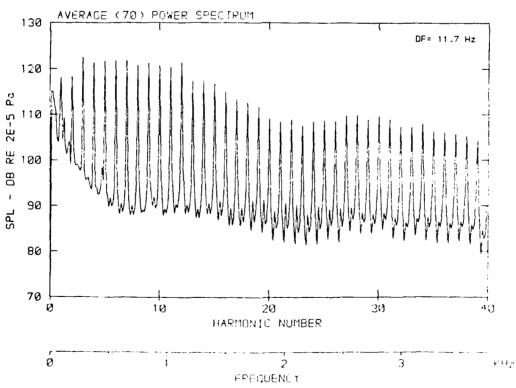




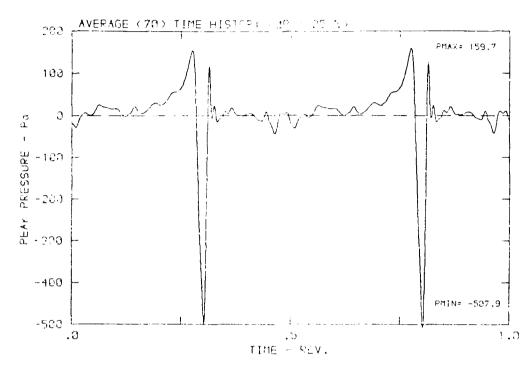
William State of the State of t

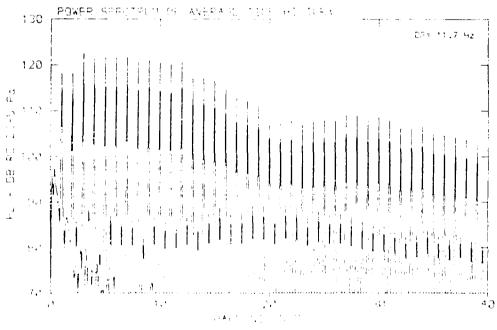
β: 20.7° MH: .9064 m: 2820 rpm $\sqrt{2}$ u: .280 φ: .0° T: 1.6.6 k



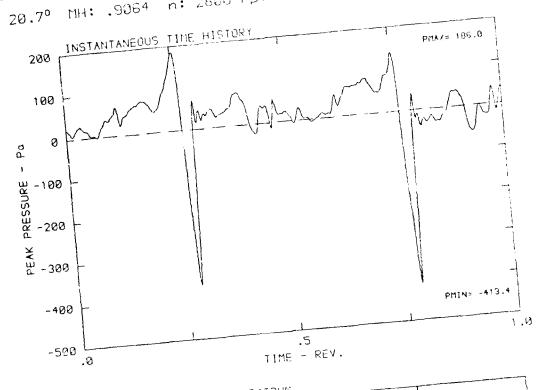


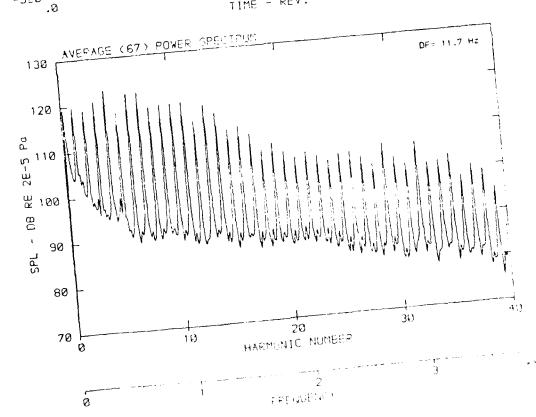
 β : 20.7° MH: .9064 n: 2800 rpm v/u: .260 ϕ : .0° T: 286.9 K





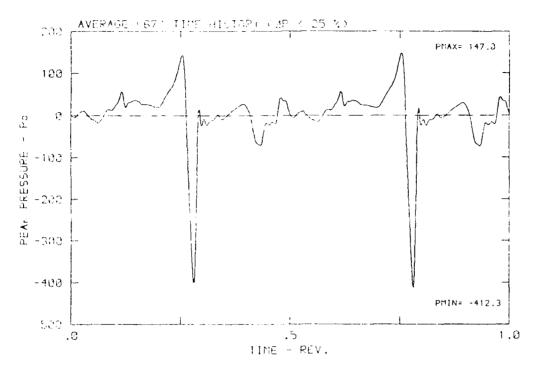
 $\frac{1}{2}$

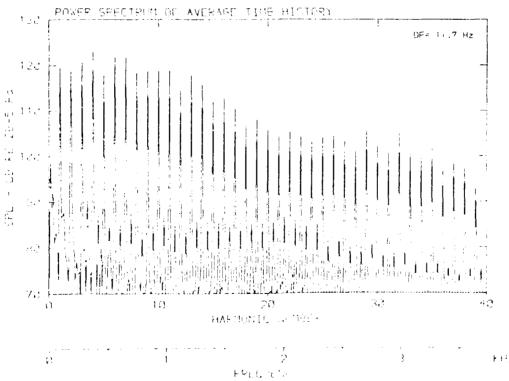




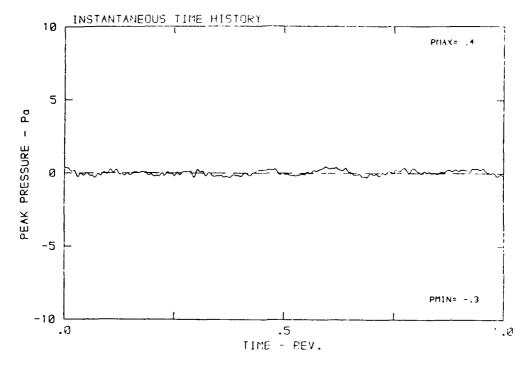
DATA POINT: BO-61 RUN: 71 MP: 5

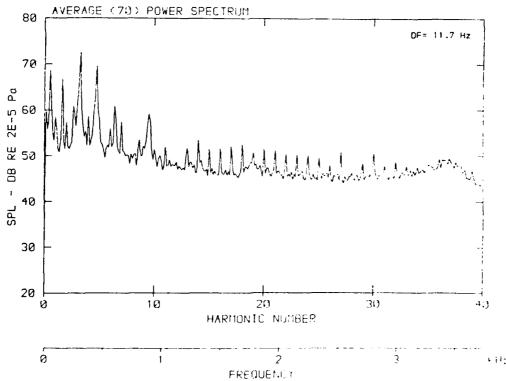
 $\beta\colon 20.7^{\circ}$ MH: .9064 n: 2900 rpm v/u: .260 $\varphi\colon .0^{\circ}$ T: 286.9 K



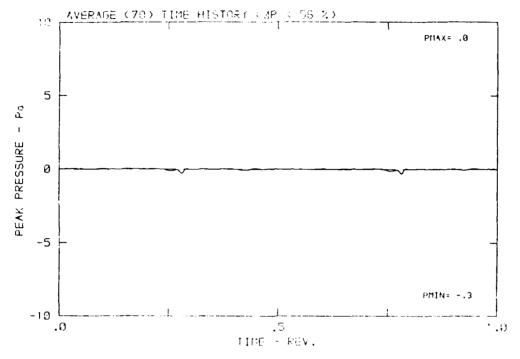


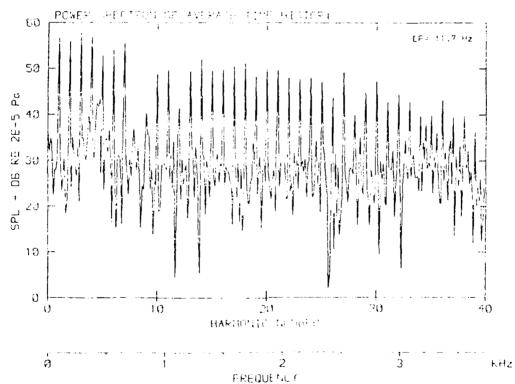
 $β: 20.7^{\circ}$ MH: .9364 n: 2800 npm v/u: .260 φ: .0° T: 286.9 k



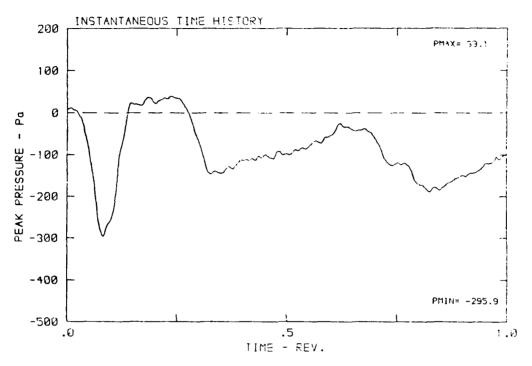


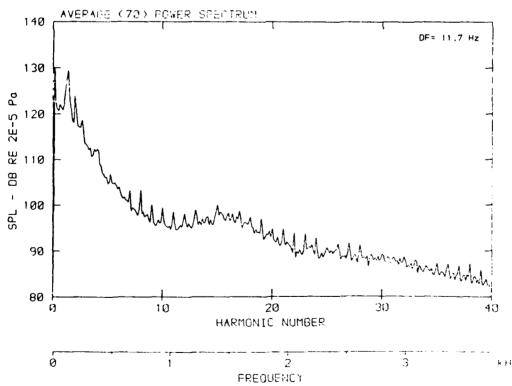
 $\beta: 20.7^{\circ}$ MH: .9064 n: 2800 npm vau: .260 $\phi: .0^{\circ}$ T: 286.9 K



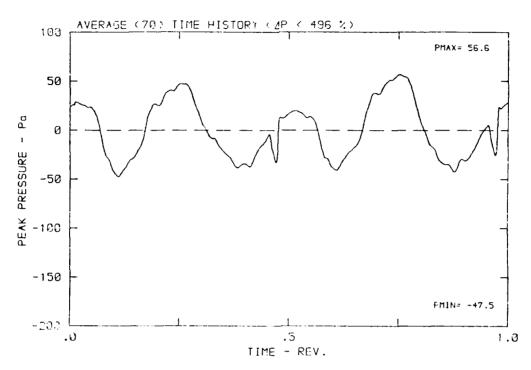


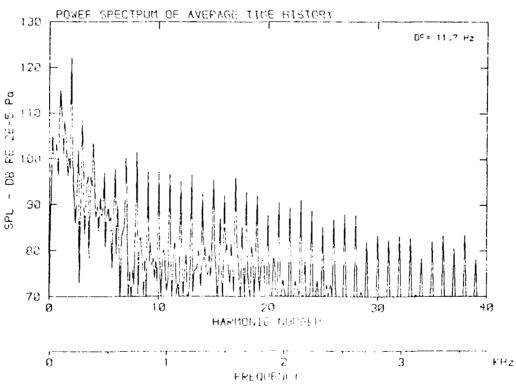
β: 20.7° MH: .9064 n: 2800 rpm ν/u: .260 φ: .0° T: 285.9 K



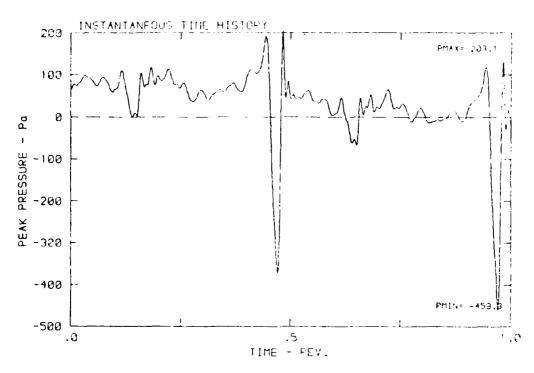


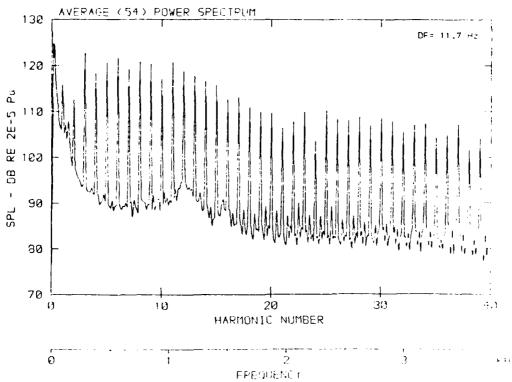
 $\beta\colon\,20.7^{\circ}\,$ MH: .9064 n: 2800 rpm v/u: .260 $\varphi\colon\,.0^{\circ}\,$ T: 286.9 K





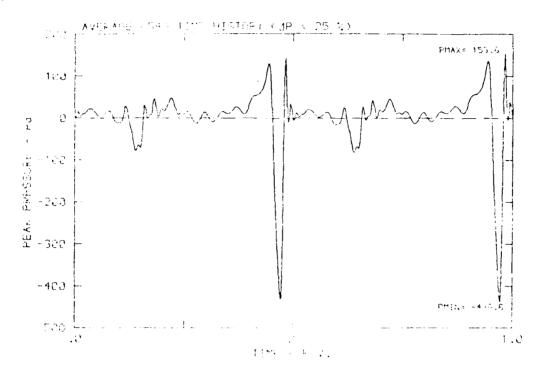
β: 20.7° MH: .9864 in: 2800 npm (v,u): .260 (ϕ) : .6° T: .56.5

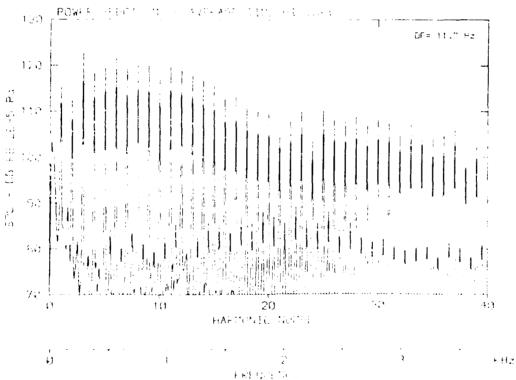




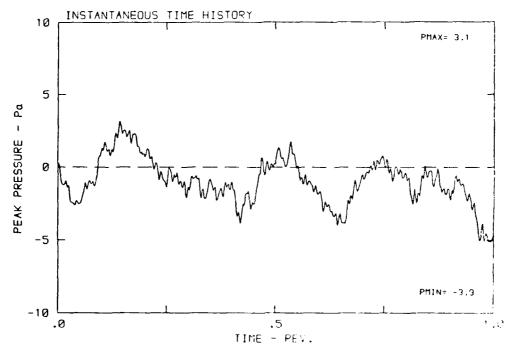
[PATA POINT: BO-61 RUN: 71 MP: 9

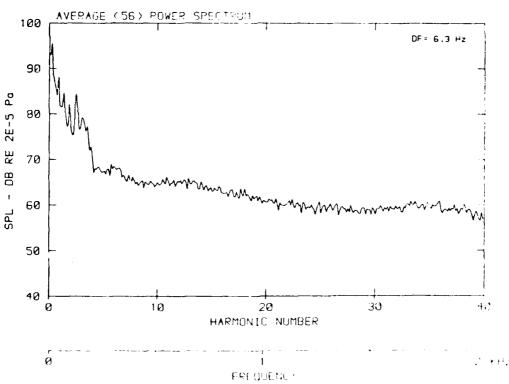
β: 20.0° MH. .99(4) N: 2900 rpm γ/u: .260 φ: .0° T: 288.9 k





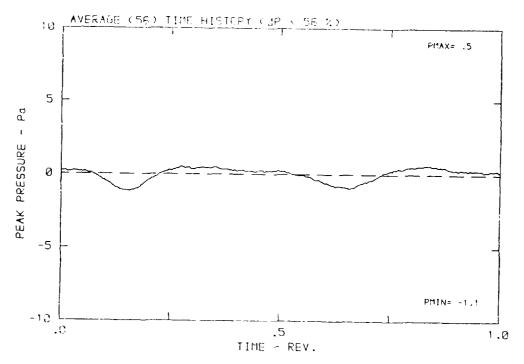
 $β: 20.7^{\circ}$ MH: .5006 n: 1522 rpm v/u: .317 $φ: .0^{\circ}$ Γ: 285.4 /

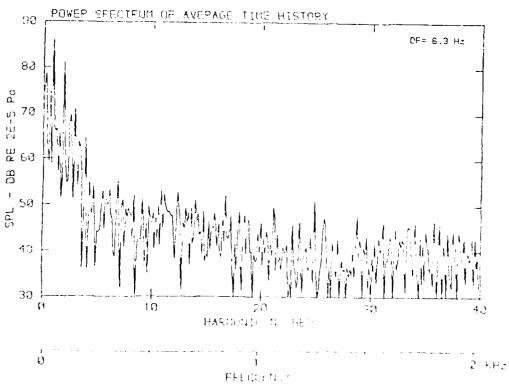




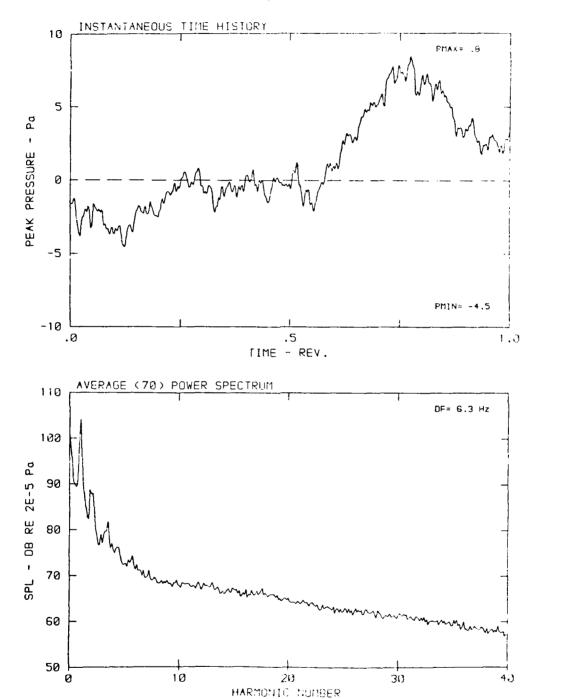
DATA POINT: BC-7 FIM: 74 MP: 1

 $\beta: 20.7^{\circ}$ MH: .5006 n: 1522 rpm v u: .317 $\phi: .0^{\circ}$ T: 285.4 k





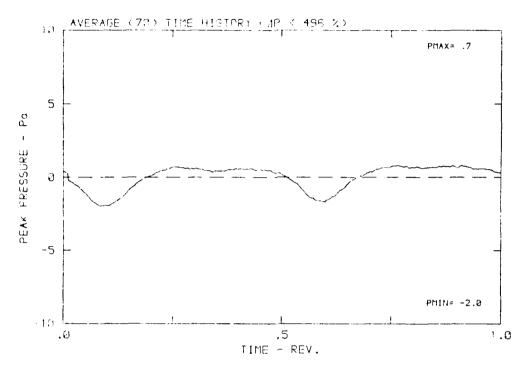
β: 20.7° MH: .5086 n: 1522 rpm - v/u: .317 | β: .0° | I: 266.4 K

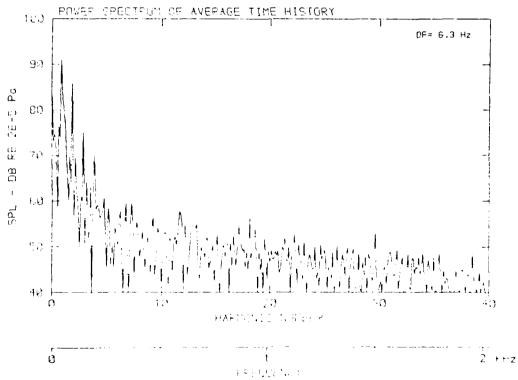


FREGUETA

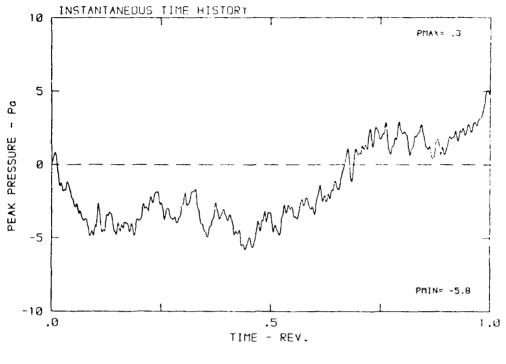
т 2 Ю-д

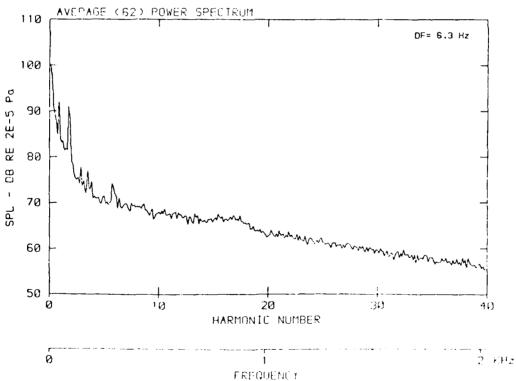
 $\beta\colon\,20.7^{\circ}\,$ MH: .5006 n: 1522 npm v/u: .317 $\psi\colon\,.0^{\circ}\,$ T: 286.4 K



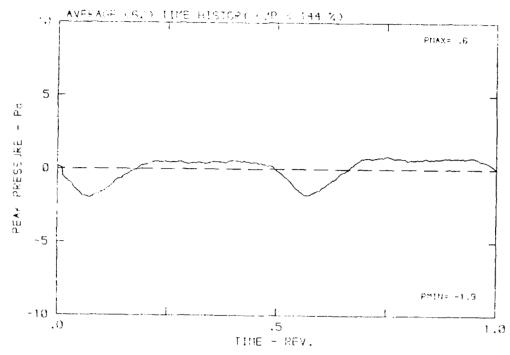


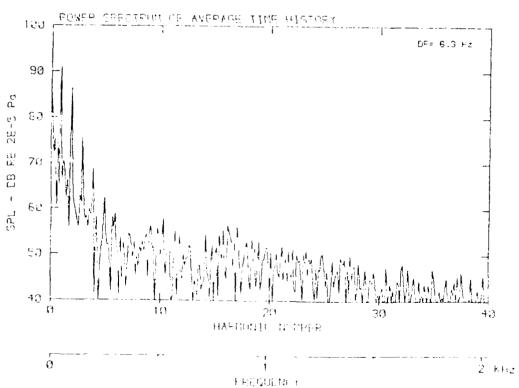
β: 20.7° MH: .5006 n: 1522 npm ν/u: .317 φ: .0° T: 286.4 γ





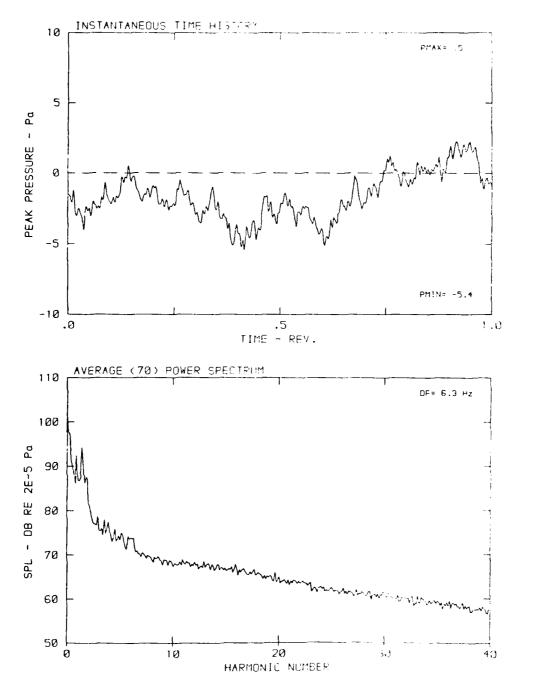
β: 20.7° MH: .5006 n: 1522 pp ν/u: .317 φ: .0° T: 285.4 K





DATA POINT: BC-7 POL: 74 MP: 4

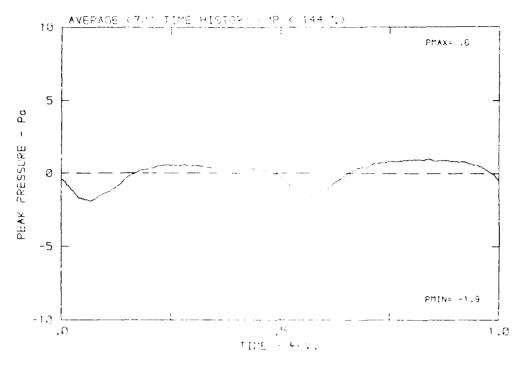
β: 20.7° MH: .5006 n: 1522 rpm ./u: .307 φ: .3° T: .38.4 ε

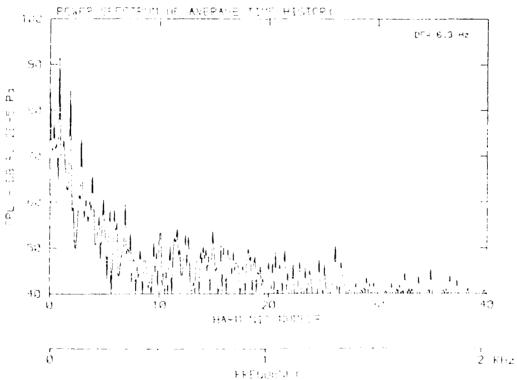


EREQUENCI

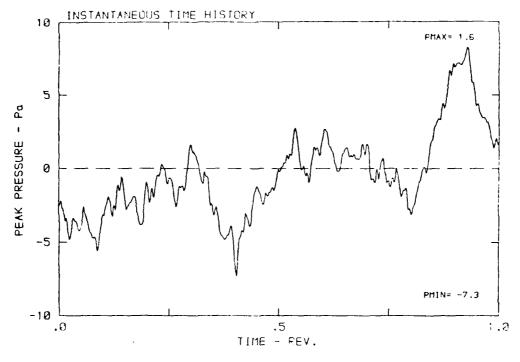
é

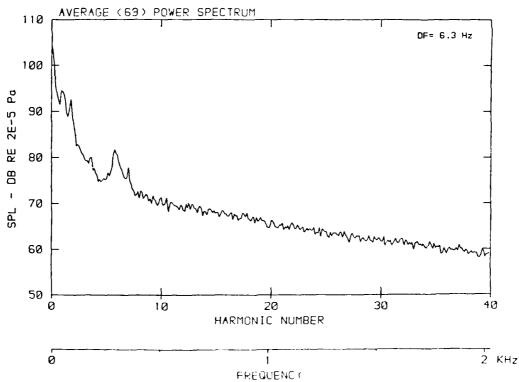
 β : 20.7° MH: .5036 n: 1522 rpm v/u: .317 ϕ : .0° T: 286.4 K



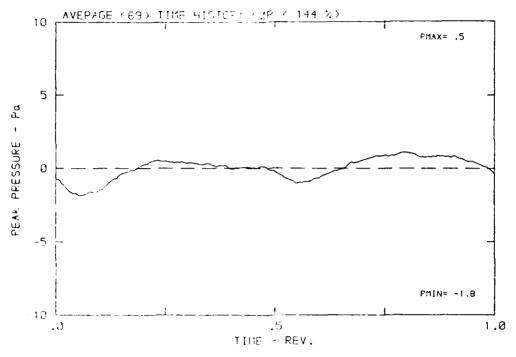


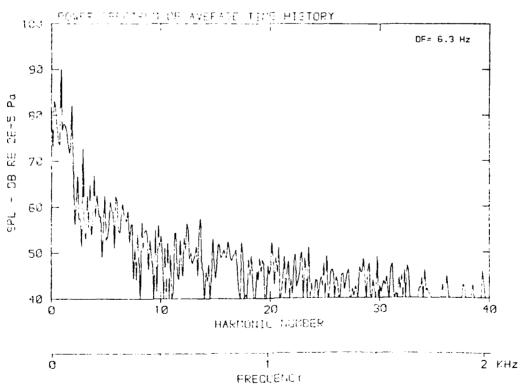
β: 20.7° MH: .5006 n: 1522 rpm V/U: .317 φ: .0° T: 286.4 K



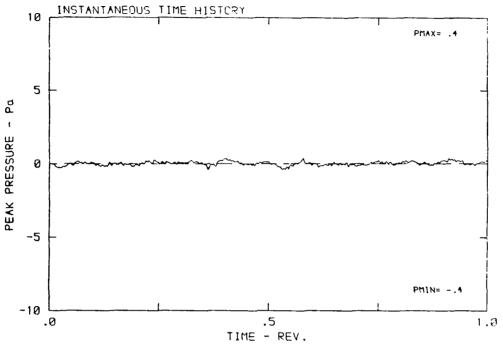


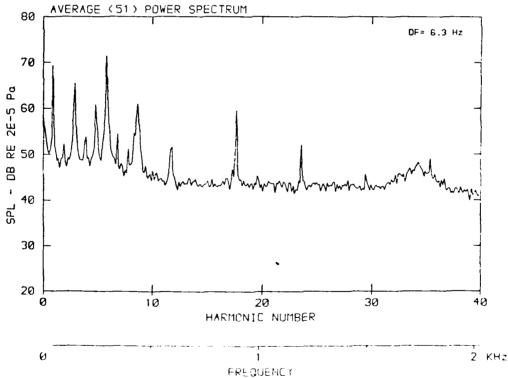
 β : 20.7° MH: .5006 n: 1522 rpm v/u: .317 ϕ : .0° T: 286.4 K



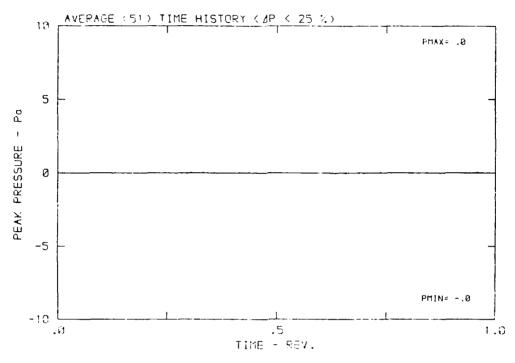


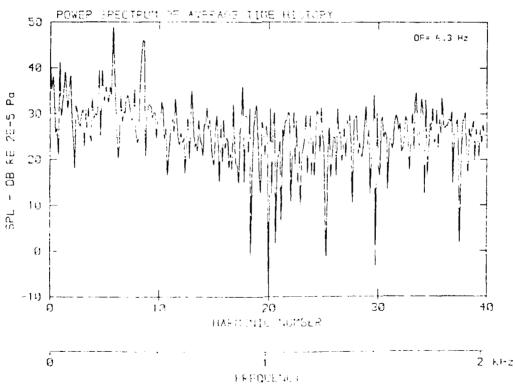
β: 20.7° NH: .5006 n: 1522 npm (Vai: .317 φ: .8° T: 136.4 ξ

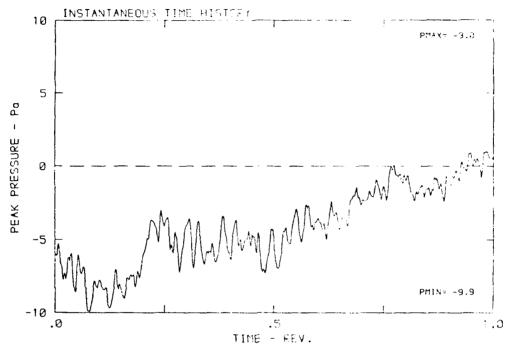


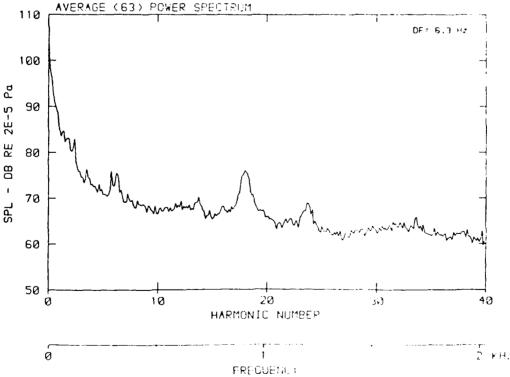


 β : 20.7° MH: .5006 n: 1522 rpm v/u: .317 ϕ : .0° T: 286.4 K



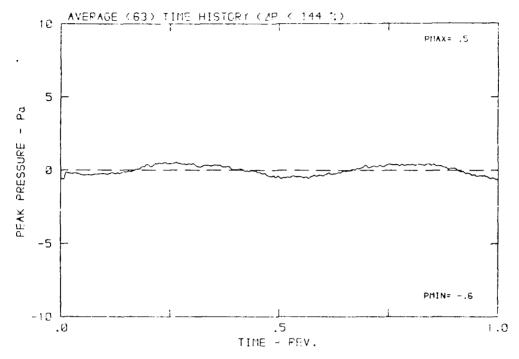


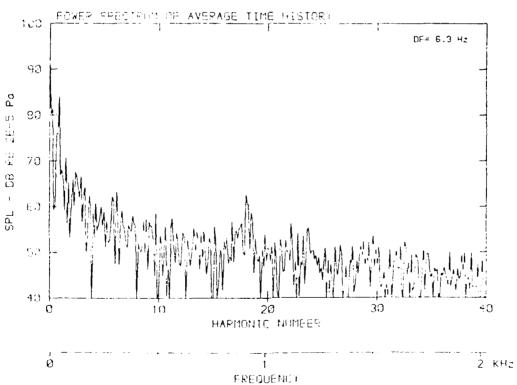




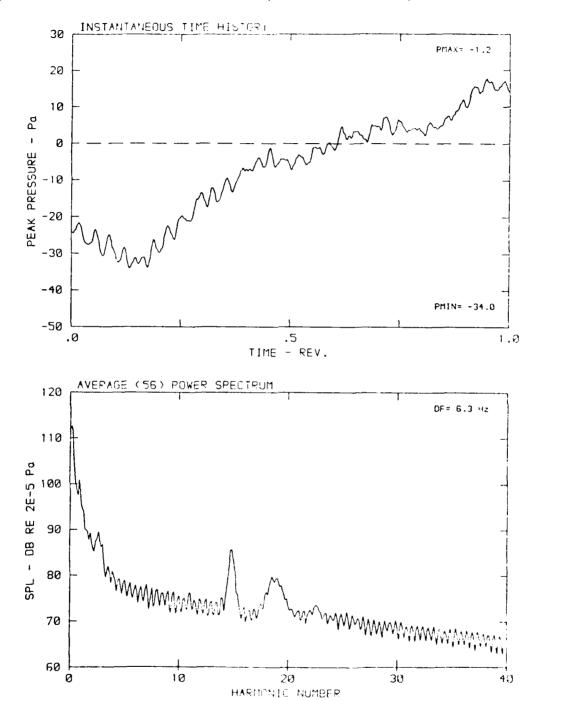
開放がなくなると問題で、スペススの主義で

 $β: 20.7^{\circ}$ MH: .5006 n: 1522 npm $v \neq u$: .317 φ: .0° T: 286.4 K





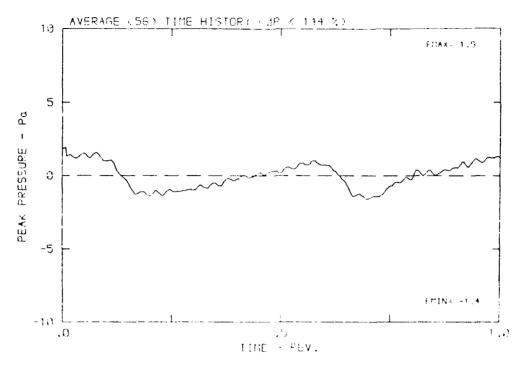
β: 20.7° MH: .5006 n: 1500 rpm s α: .317 φ: .0° T: .96.4 s

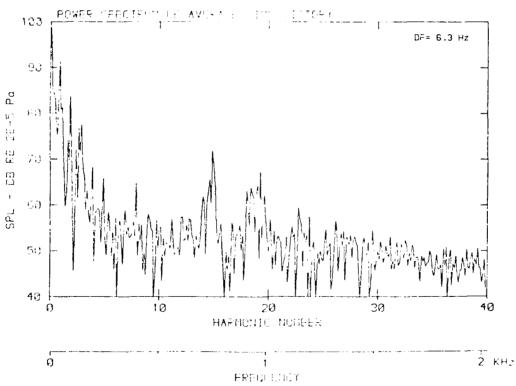


FREGUE'S I

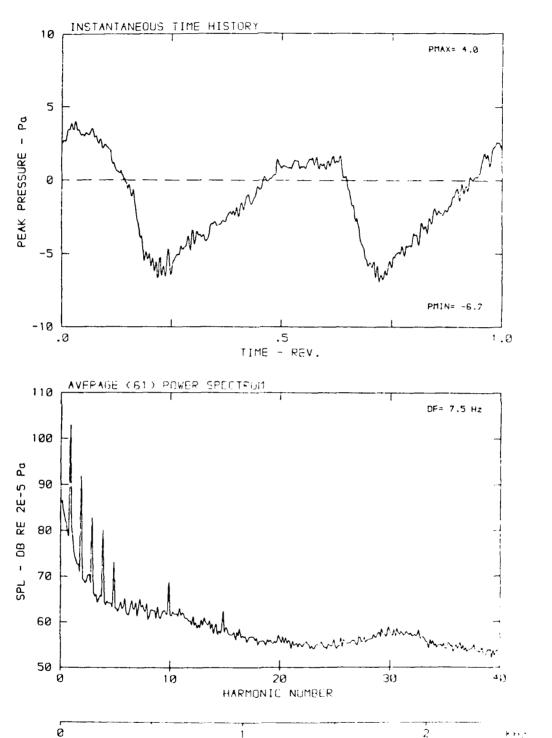
ò

 $β: 20.7^{\circ}$ MH: .5006 n: 1522 rpm v/u: .317 $φ: .0^{\circ}$ T: 286.4 K



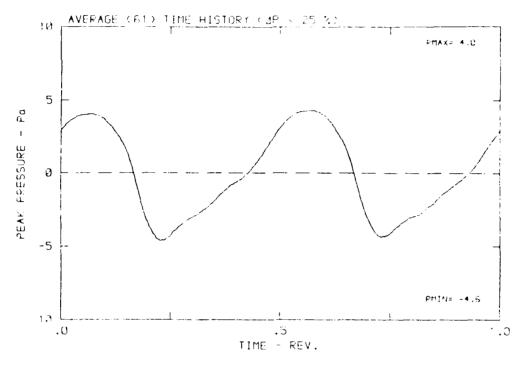


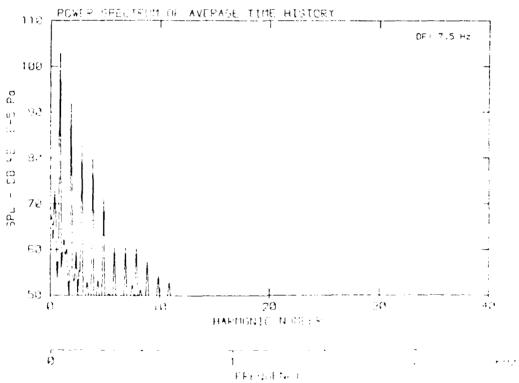
β: 24.4° MH: .5747 n: 1800 rpm γ/u: .203 φ: .0° T: 287.6 K



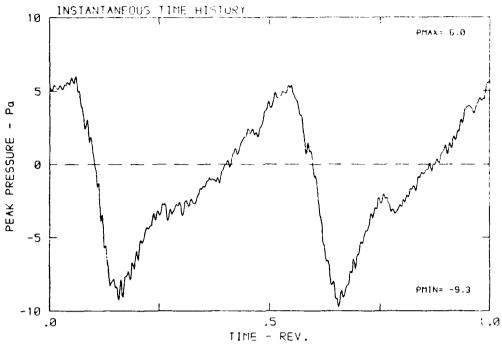
FPEQUENC:

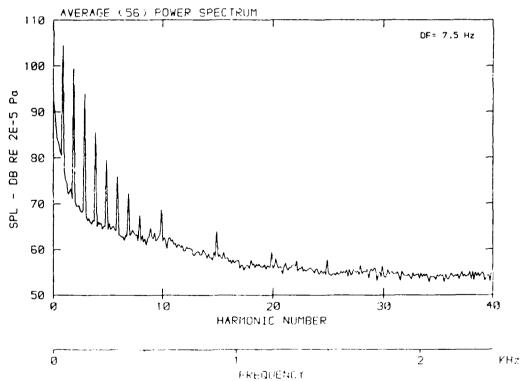
β: 24.4° MH: .5747 n: 1800 rpm v/u: .203 φ: .0° T: 287.6 K





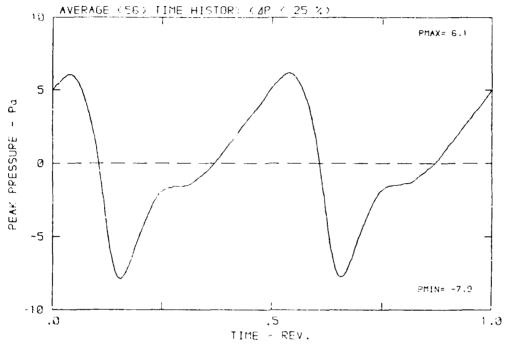
β: 24.4° MH: .5747 h: 1880 rpm γ/u: .203 φ: .0° T: 257.6 F

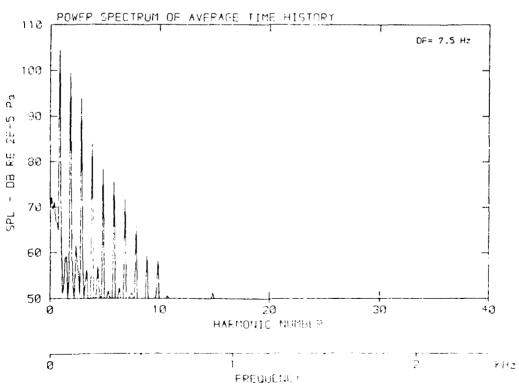




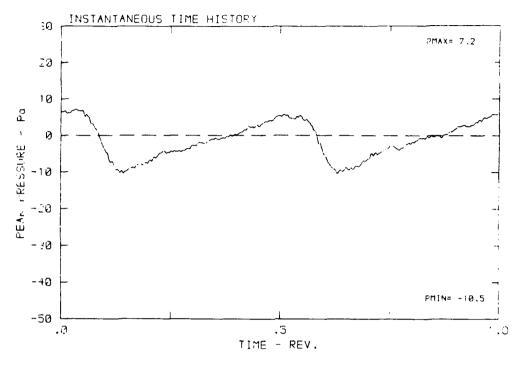
DATA POINT: 00-1 FUN: 117 MP: 2

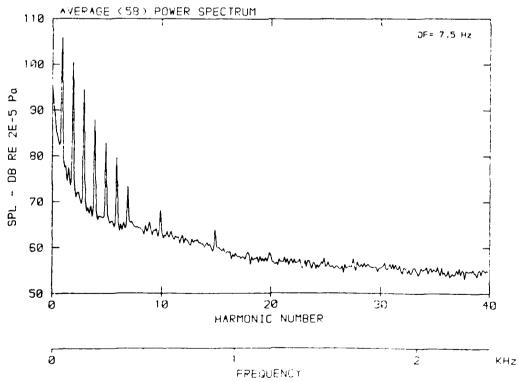
 $\beta: 24.4^{\circ} \text{ MH}$: .5747 n: 1900 rpm v/u: .203 $\phi: .9^{\circ}$ T: 287.6 K



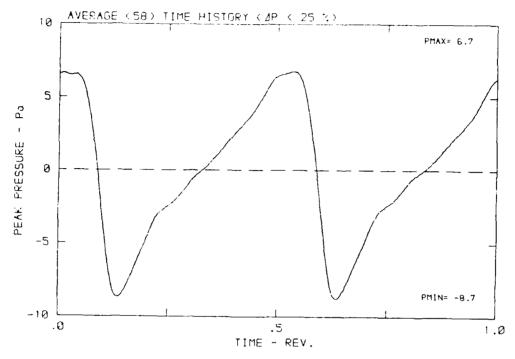


 β : 24.4° MH: .5747 n: 1800 rpm v/u: .203 ϕ : .0° T: 287.6 K

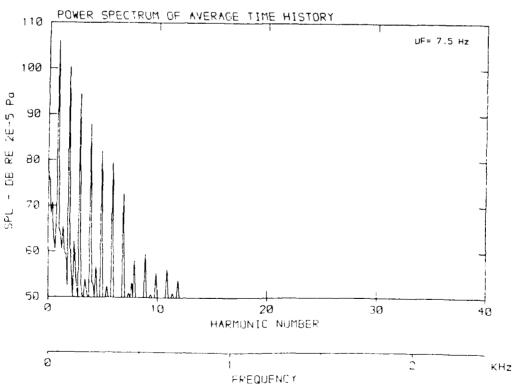




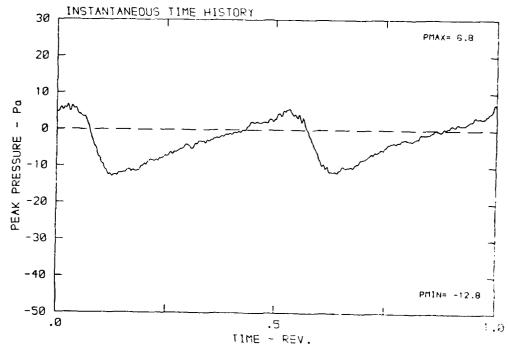
 $\beta\colon 24.4^{\circ}$ MH: .5747 n: 1800 npm v/u: .203 $\varphi\colon .0^{\circ}$ T: 287.6 K

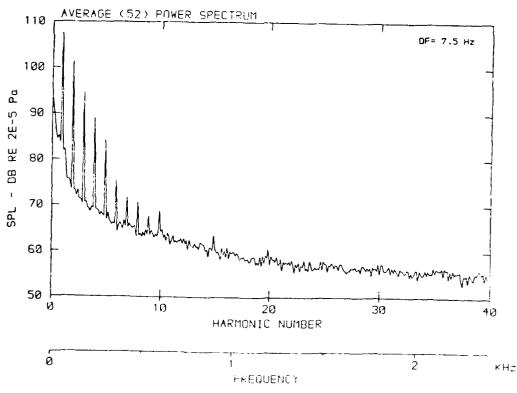


さると言葉を含むという。このこととは、一人の人の人の人の人の一人のことには、これのことには、これのことには、これのことには、これのことには、これのことには、これのことには、これのことには、これのことには、

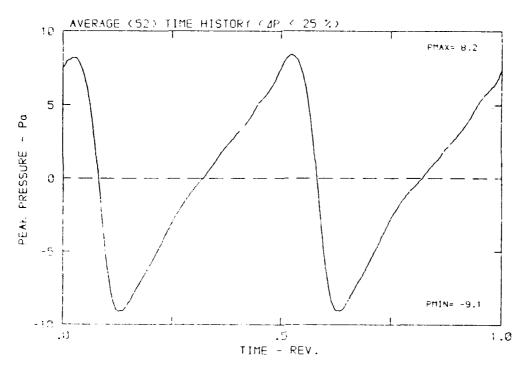


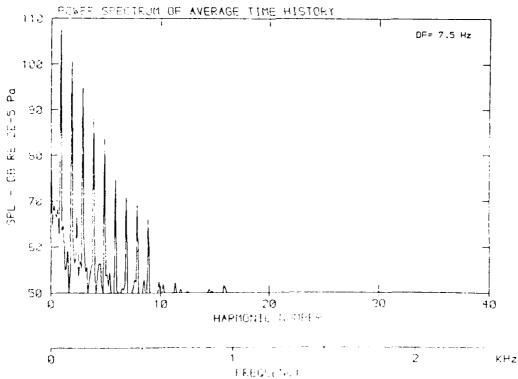
 β : 24.4° MH: .5747 n: 1800 rpm v/u: .203 ϕ : .0° T: 287.6 K



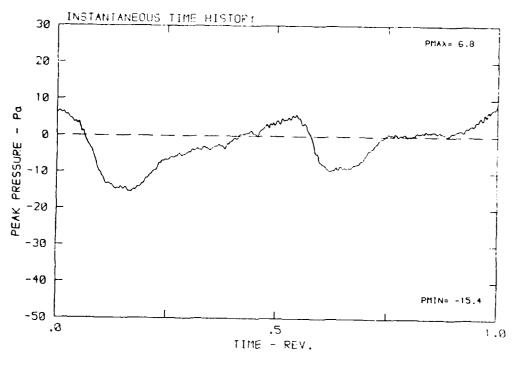


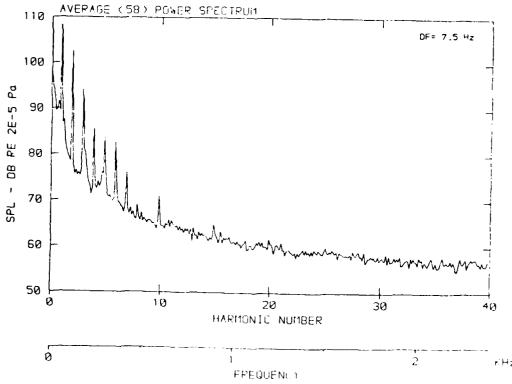
 $\beta\colon 24.4^{\circ}$ MH: .5747 n: 1800 rpm v/u: .203 $\varphi\colon .0^{\circ}$ T: 287.6 K



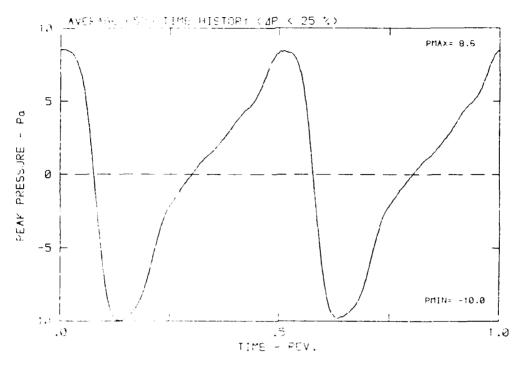


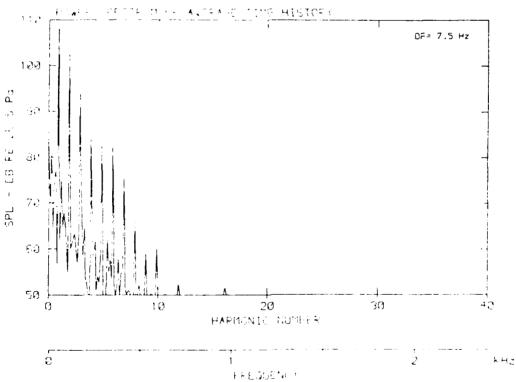
β: 24.4° MH: .5747 n: 1800 npm γ/u: .203 φ: .0° T: 287.6 K



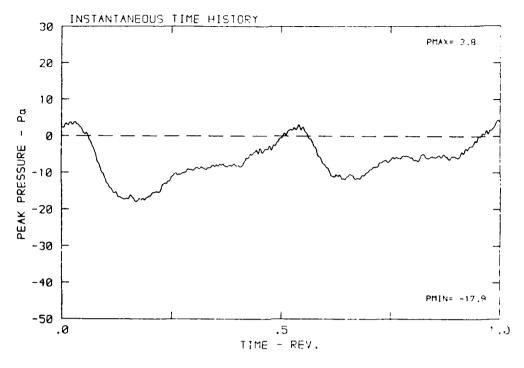


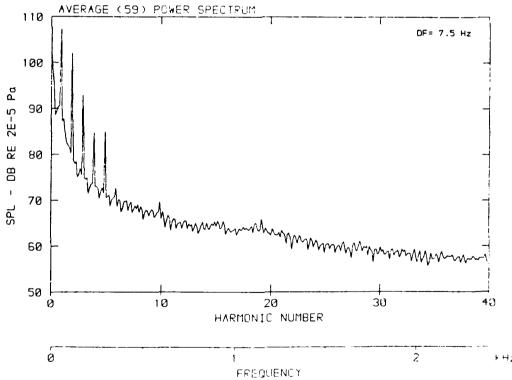
 β : 24.4° MH: .5747 n: 1800 npm V/U: .203 ϕ : .0° T: 287.6 K



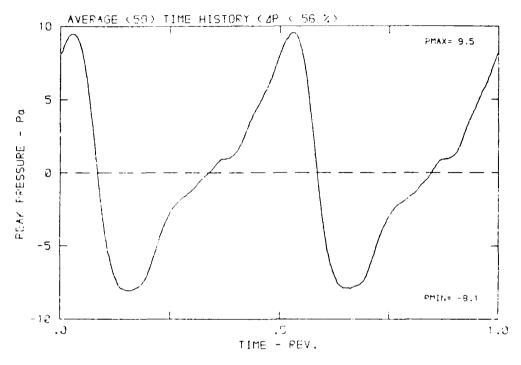


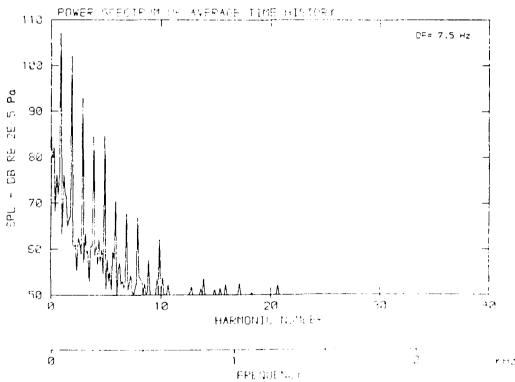
β: 24.4° MH: .5747 n: 1800 npm ν α: .203 δ: .0° Τ: 287.6 K





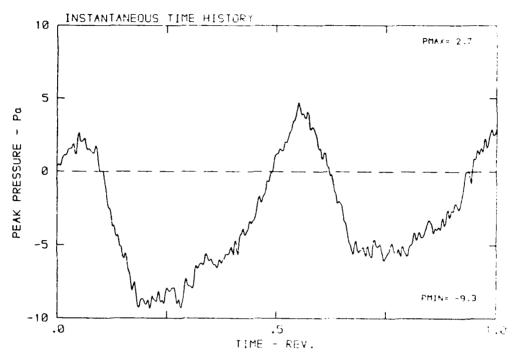
 β : 24.4° MH: .5747 n: 1800 rpm v/u: .203 ϕ : .0° T: 287.6 K

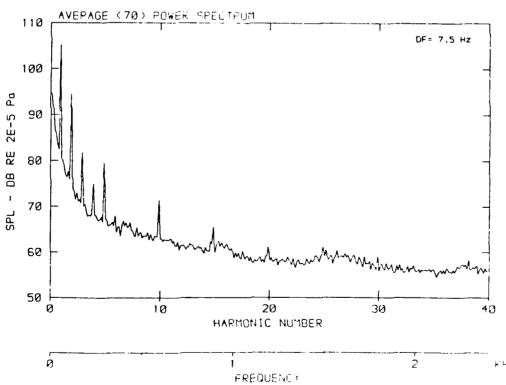




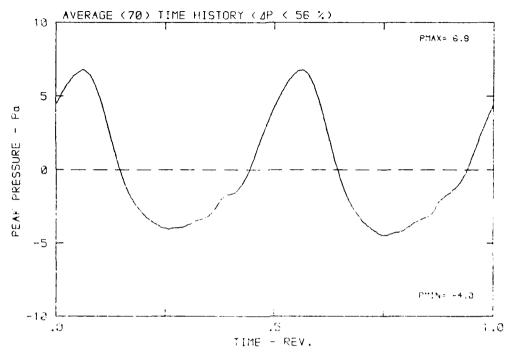
DATA POINT: CC-1 RUN: 117 MF:

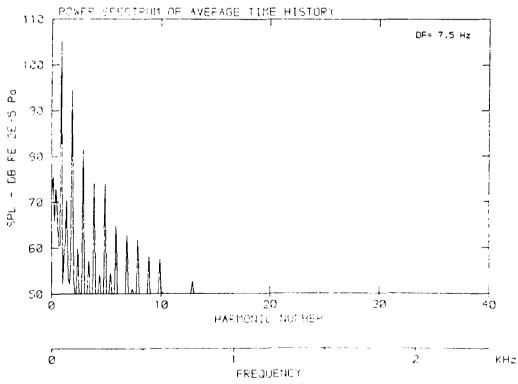
 β : 24.4° MH: .5747 n: 1800 ppm γ u: .203 φ : .0° T: . γ .



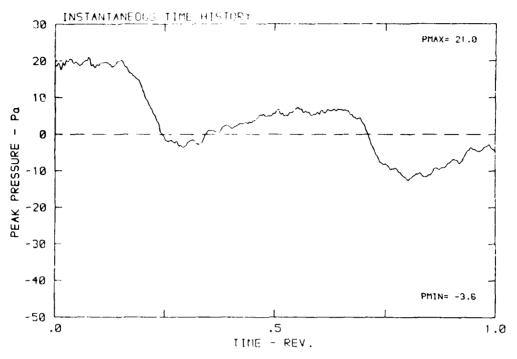


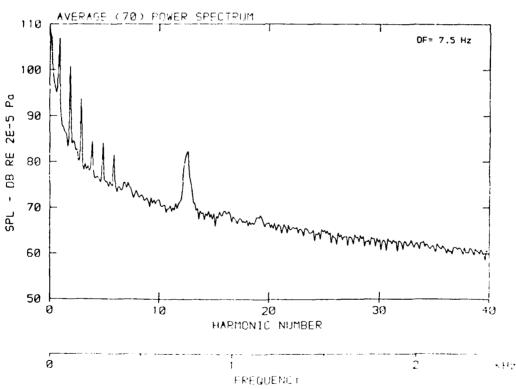
 β : 24.4° MH: .5747 n: 1800 rpm v/u: .203 ϕ : .0° T: 287.6 K



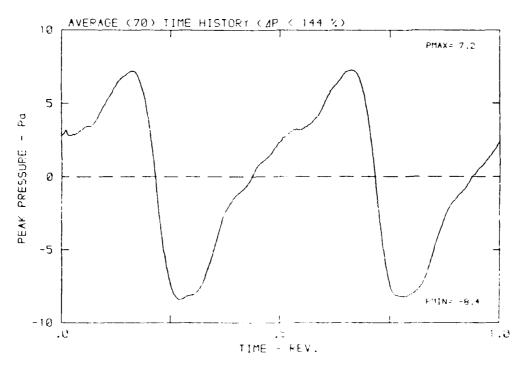


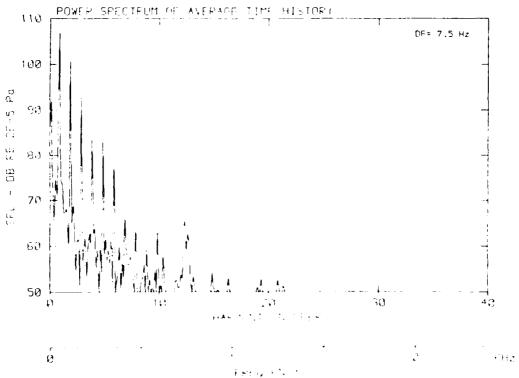
β: 24.4° MH: .5747 h: 1860 γρω γ/α: .203 φ: .0° Τ: 287.6 K



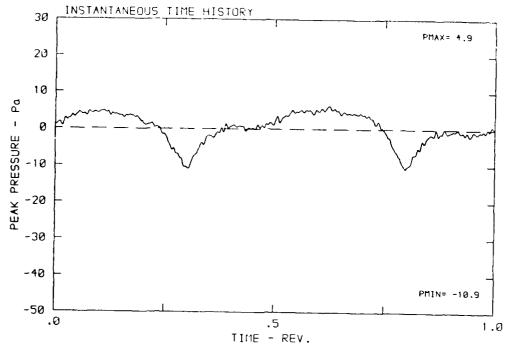


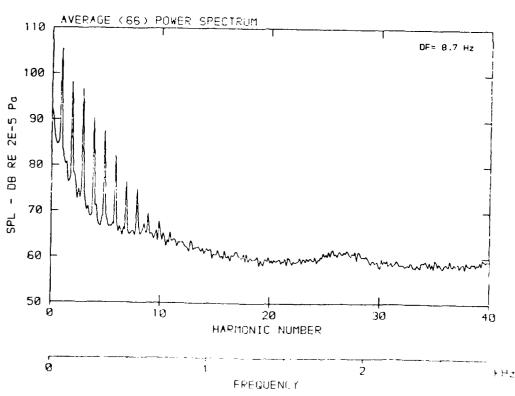
β: 24.4° MH: .5747 n: 1800 rpm v/u: .203 φ: .0° T: 287.5 k





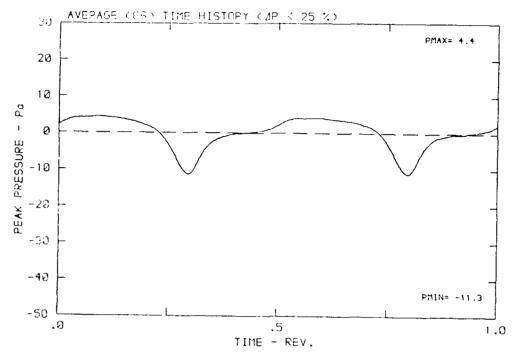
β: 24.4° MH: .6700 n: 2100 npm v/u: .200 ֆ: .0° T: 257.0 Հ



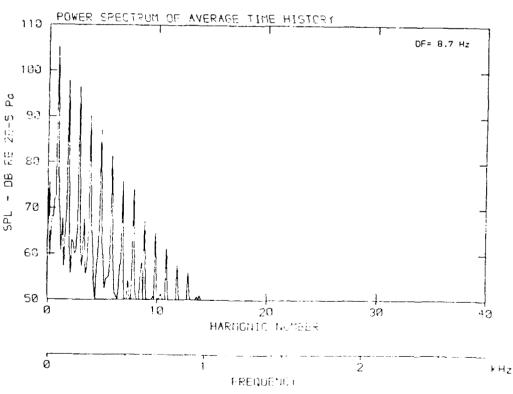


この間のならならなる個ななならななな難 欠くこうこう 観光などとく スイン

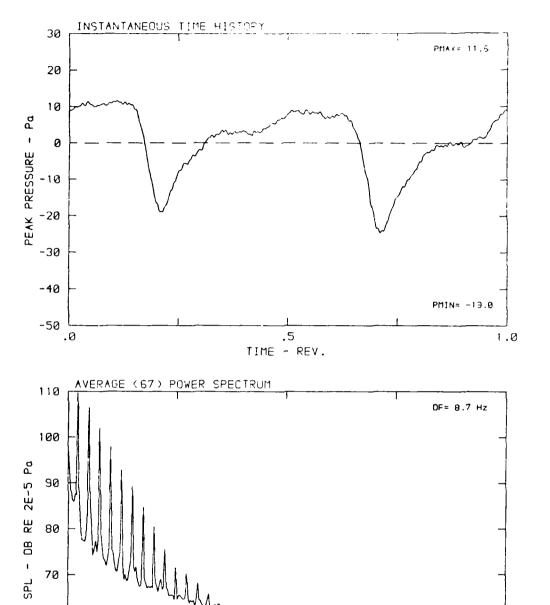
 $\beta\colon\ 24.4^{\circ}$ MH: .6700 n: 2100 npm v/u: .200 $\varphi\colon\ .0^{\circ}$ T: 287.7 K



PROBLEM PROBLEMS



β: 24.4° MH: .5780 n: 2100 μph (194: .800 φ: .8° Τ: 197.7 Κ



20

HARMONIC NUMBER

FREQUENCY

30

40

KHz

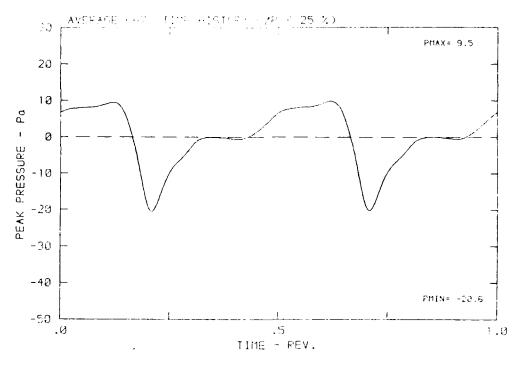
60

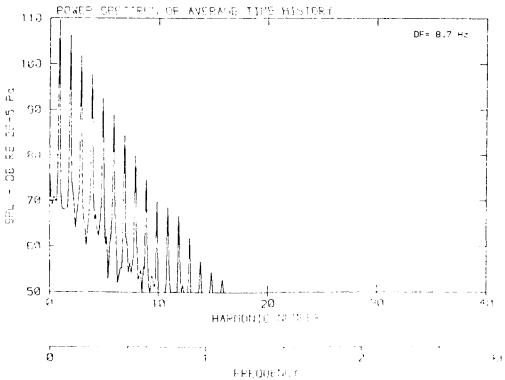
50

10

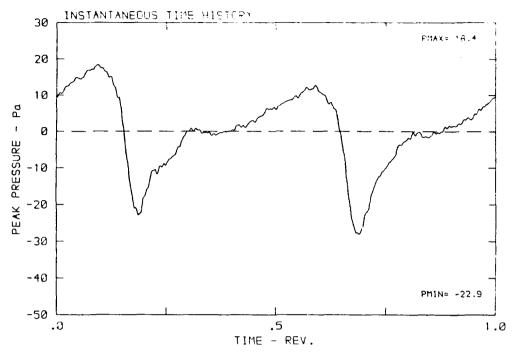
DATA PULMISTO P. RUN: 118 MP: 2

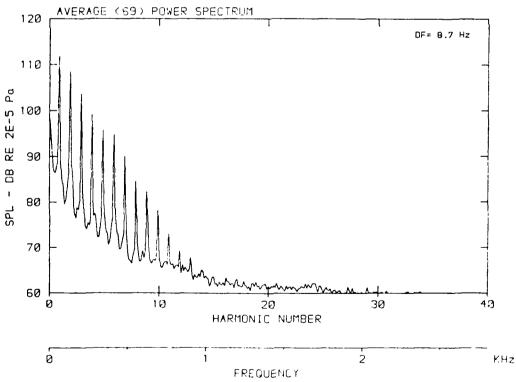
β: 24.4° MH: .FTVD κ: 2100 κpm γ/u: .200 φ: .0° T: 287.7 K





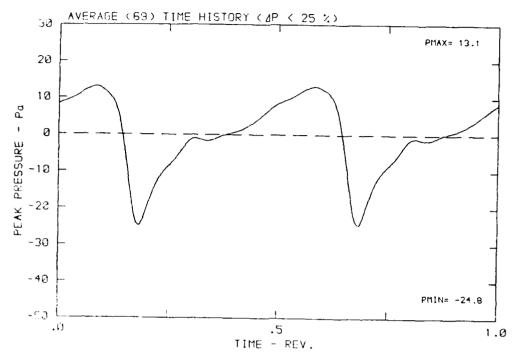
β: 24.4° MH: .6700 h: 2100 kg* k μ: .220 l: .8° f: .37.7 k

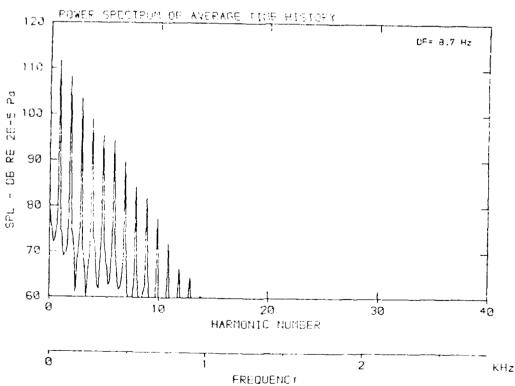




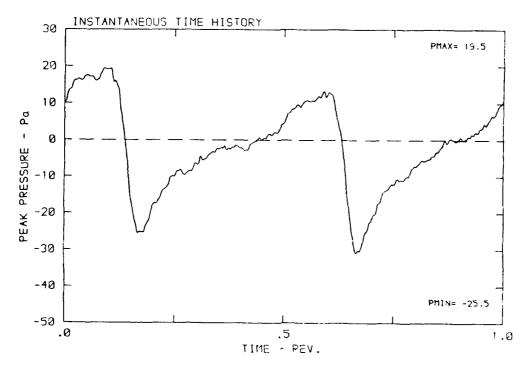
 β : 24.4° MH: .6700 n: 2100 rpm v/u: .200 ϕ : .0° T: 287.7 K

うりと言葉できなくなくと言うとうとうとなる言葉なくなくないない

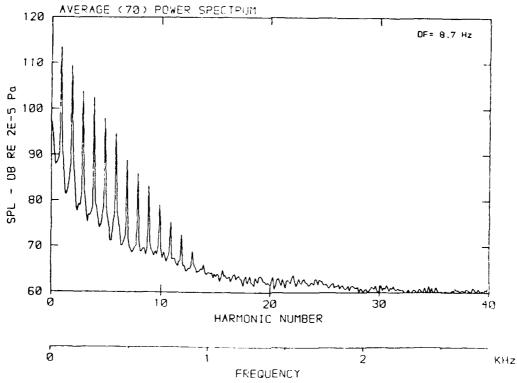




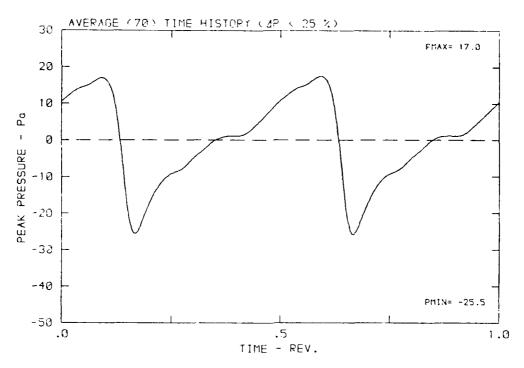
 $\beta\colon 24.4^{\circ}$ MH: .6700 n: 2100 npm v/u: .200 $\varphi\colon .0^{\circ}$ T: 287.7 K

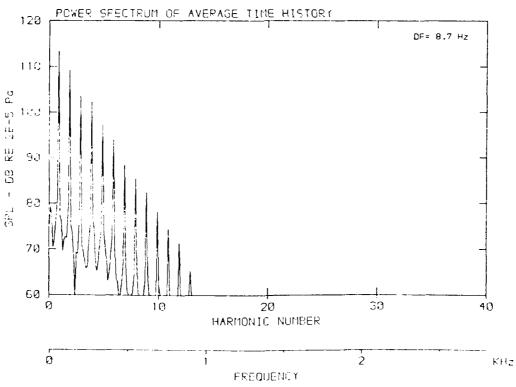


SAME EXPONENT PROTEIN TOURING PROTEINS CONTINUES OF THE PROTEIN OF THE PROTEIN THE PROTEIN

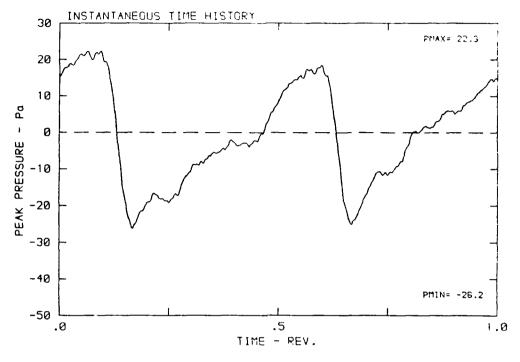


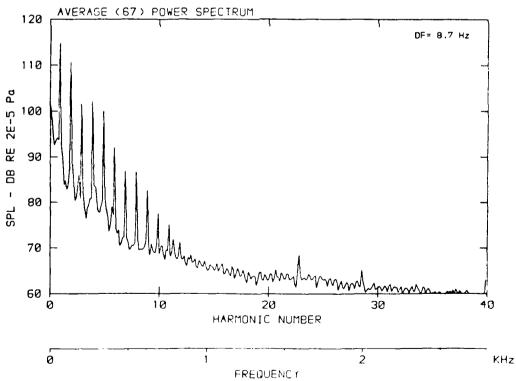
β: 24.4° MH: .6700 h: 2100 npm ${\rm M}^{\rm T}$ u: .280 ${\rm \psi}$: .0° T: 287.7 K





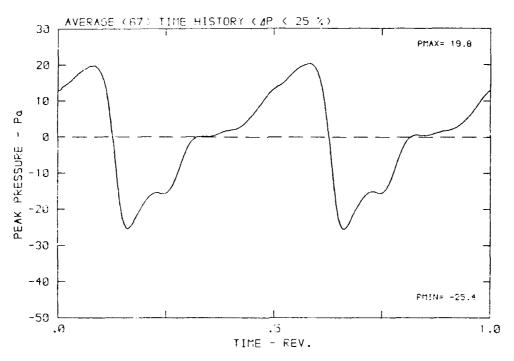
β: 24.4° MH: .6700 n: 2100 npm γ/u: .200 φ: .0° T: 287.7 K

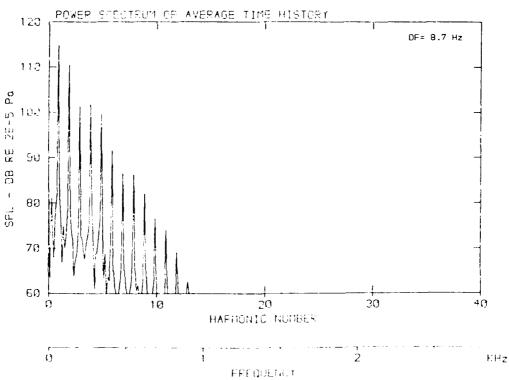




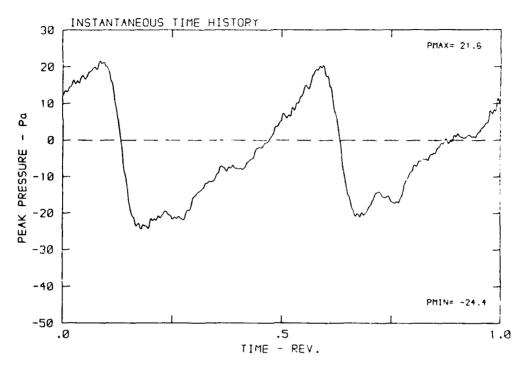
 $\beta: 24.4^{\circ}$ MH: .6700 n: 2100 rpm v/u: .200 $\phi: .0^{\circ}$ T: 287.7 K

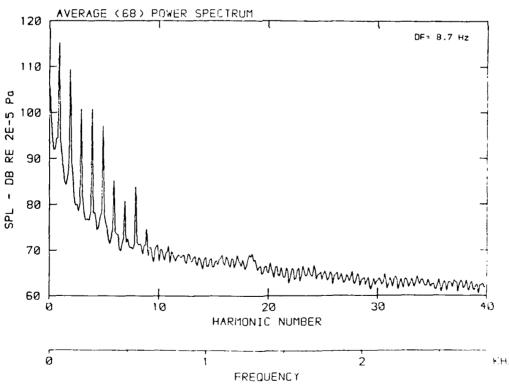
はなる。日本のななない。日本ののののは、日本ののののは、



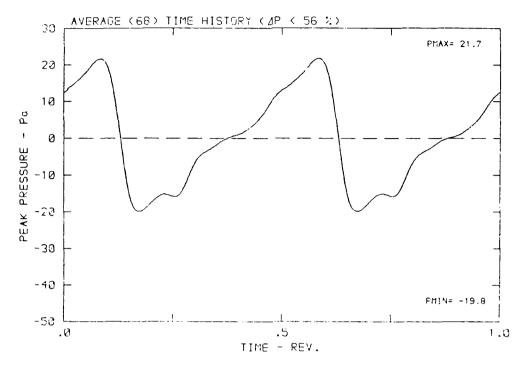


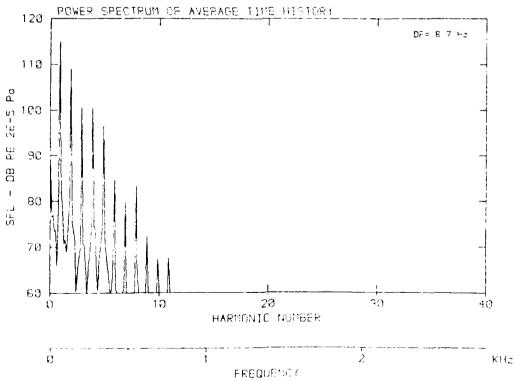
β: 24.4° MH: .6700 n: 2100 rpm ν/u: .200 φ: .0° T: 287.7 K



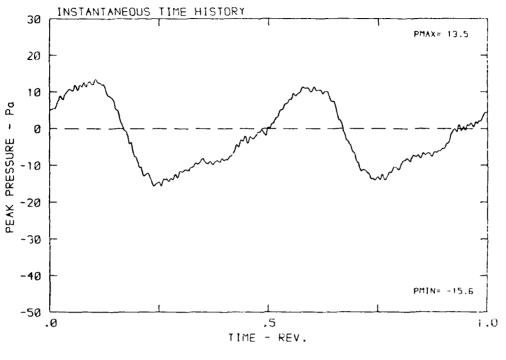


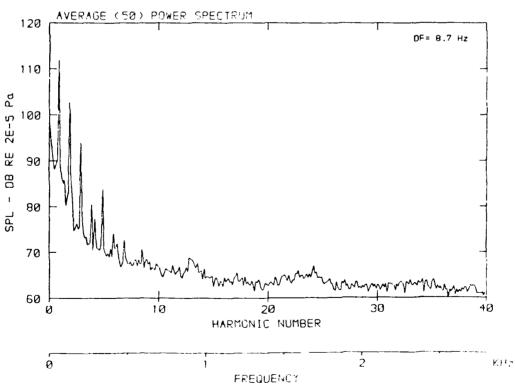
β: 24.4° MH: .6700 n: 2100 npm v/u: .200 φ: .0° T: 287.7 K





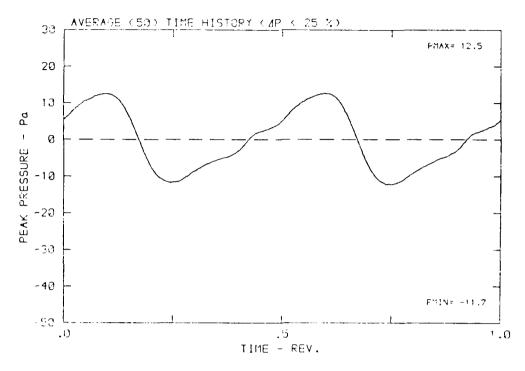
β: 24.4° MH: .6700 n: 2100 npm v/u: .200 φ: .0° T: 297.7 K

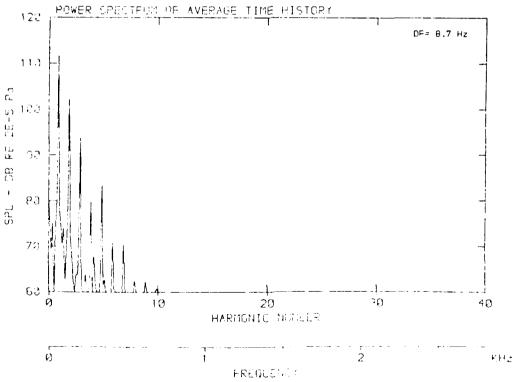




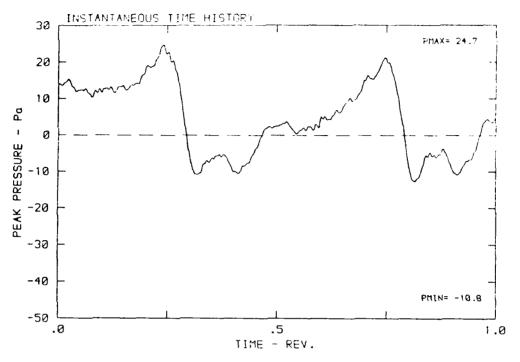
A CONTRACT OF THE PROPERTY OF

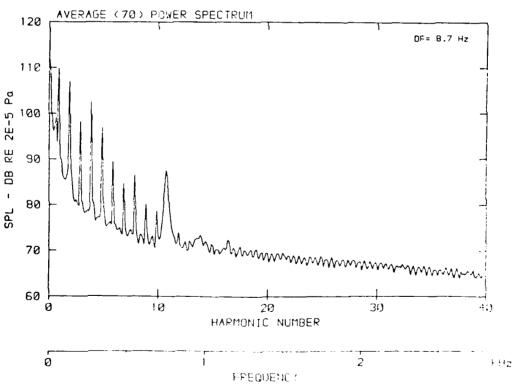
 β : 24.4° MH: .6700 n: 2180 rpm v/u: .200 ϕ : .0° T: 287.7 K



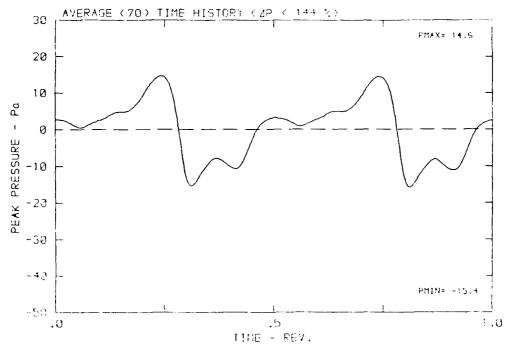


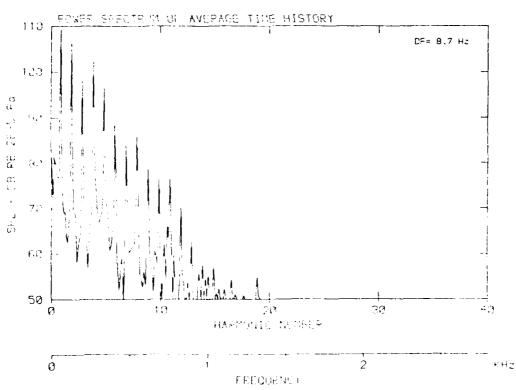
β: 24.4° MH: .5733 n: 2100 rpm γ/u: .203 ψ: .0° T: 287.7 K



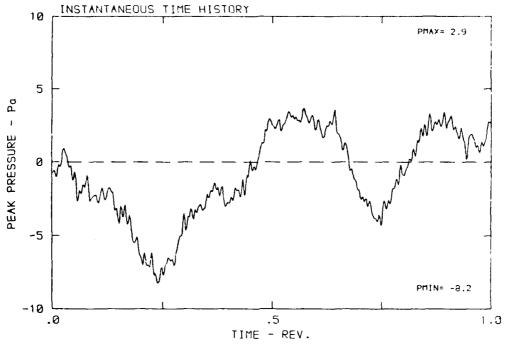


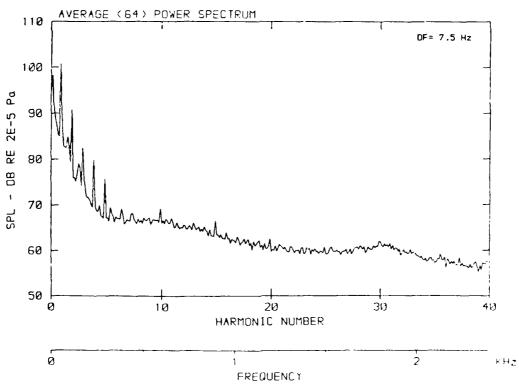
β: 24.4° MH: .6700 n: 2100 npm \//μ: .280 φ: .0° Τ: 287.7 K



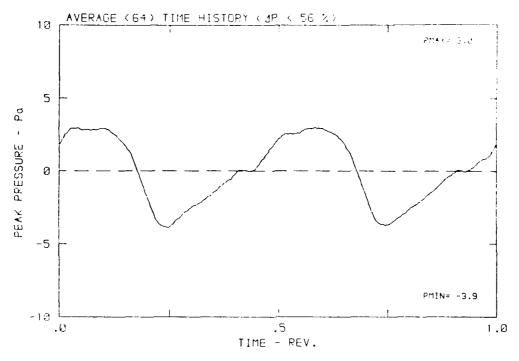


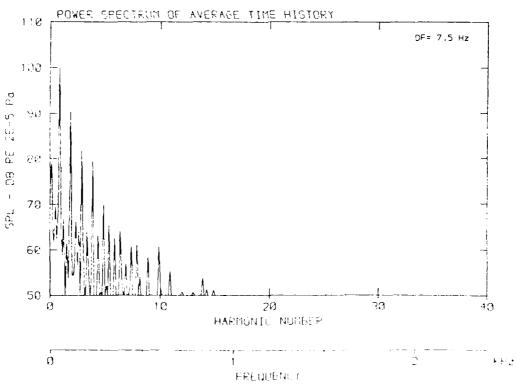
β: 24.4° MH: .5825 n: 1800 npm v/u: .267 φ: .0° Τ: 283.1 μ



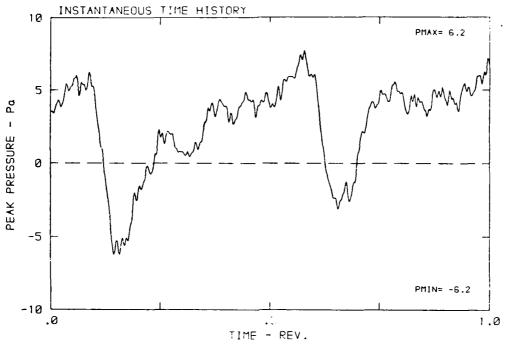


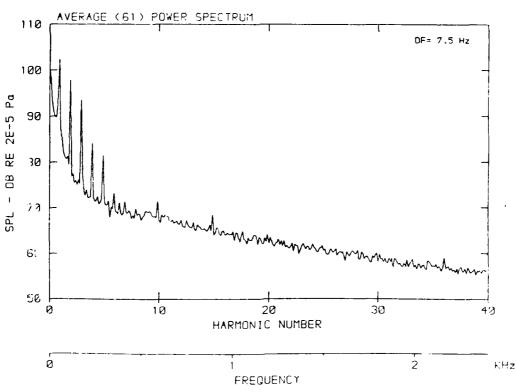
β: 24.4° MH: .5825 n: 1800 rpm ν/u: .267 φ: .0° T: 288.1 K



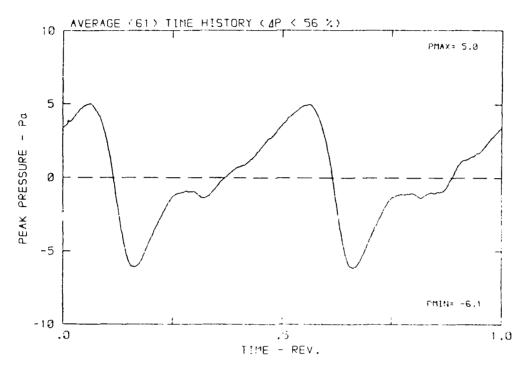


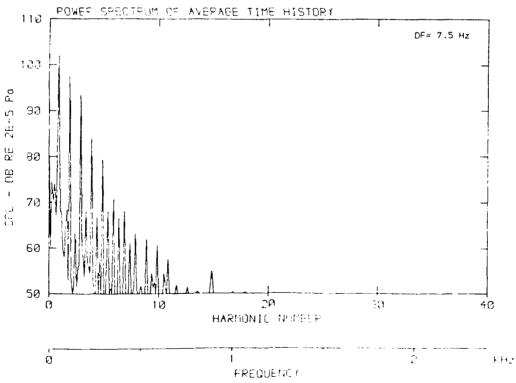
β: 24.4° MH: .5825 n: 1980 npm \//u: .267 φ: .0° T: 288.1 K



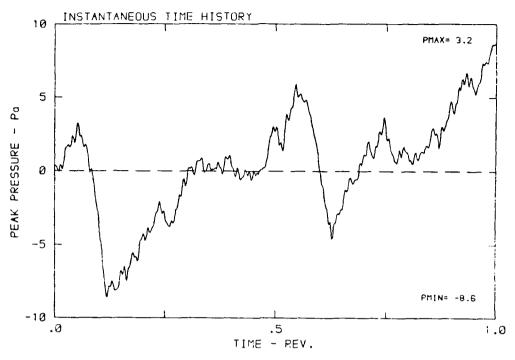


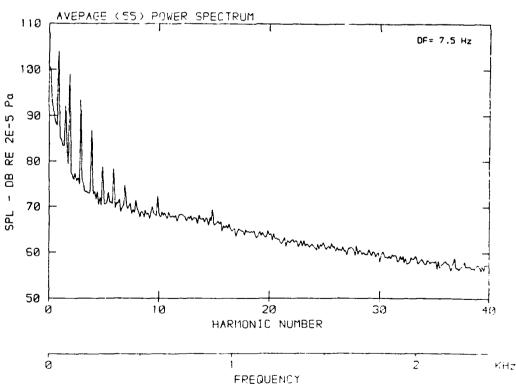
 β : 24.4° MH: .5825 n: 1800 rpm v/u: .267 ϕ : .0° T: 288.1 K



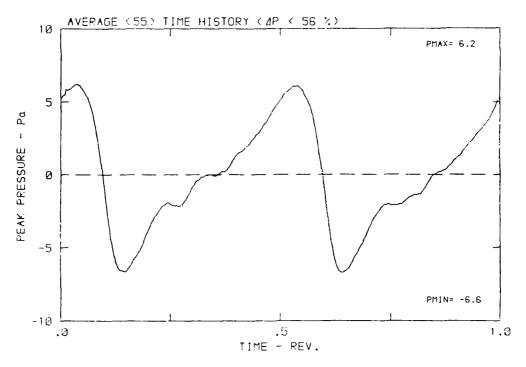


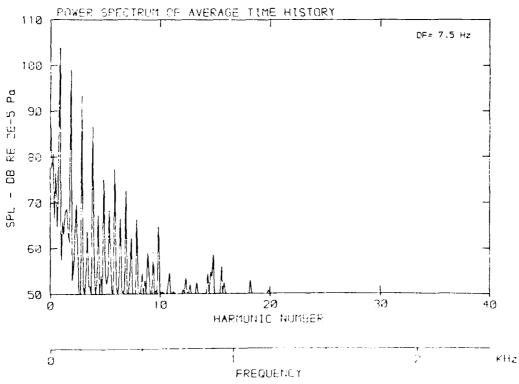
 $\beta\colon\,24.4^{\circ}\,$ MH: .5825 n: 1800 npm $\,$ v/u: .267 $\,$ $\psi\colon\,.0^{\circ}\,$ T: 288.1 K



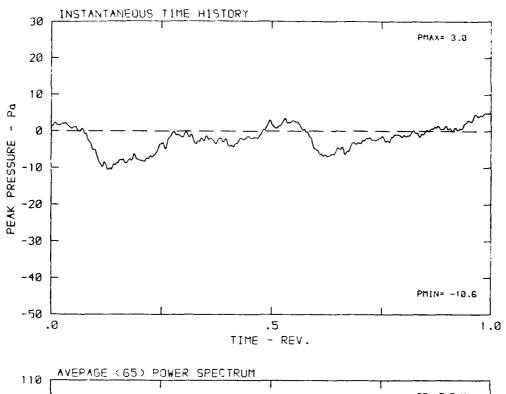


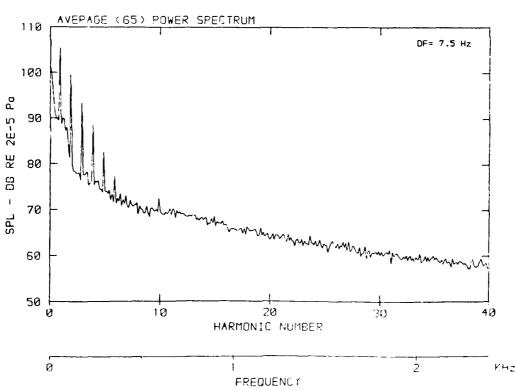
 $\beta\colon\,24.4^{\circ}\,$ MH: .5825 n: 1800 rpm v/u: .267 $\varphi\colon\,.0^{\circ}\,$ T: 288.1 K



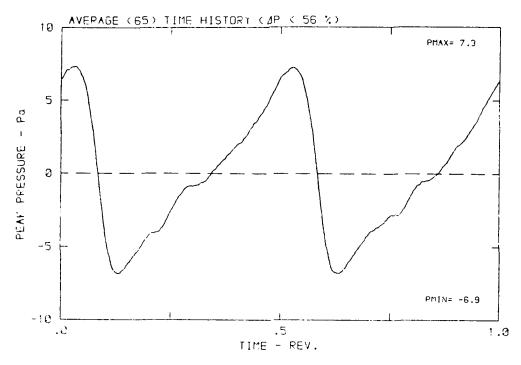


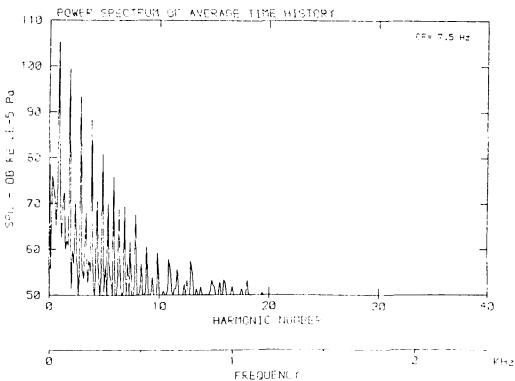
 $\beta\colon\,24.4^{\circ}\,$ MH: .5825 n: 1800 npm $\,$ v/u: .267 $\,$ $\varphi\colon\,.0^{\circ}\,$ T: 283.1 K



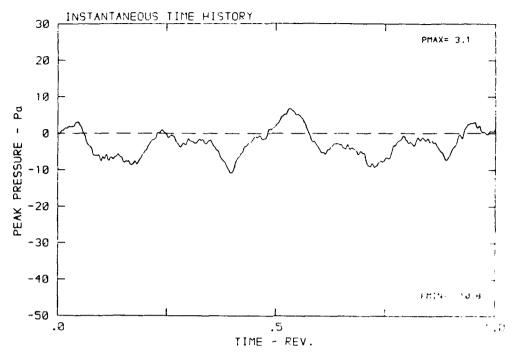


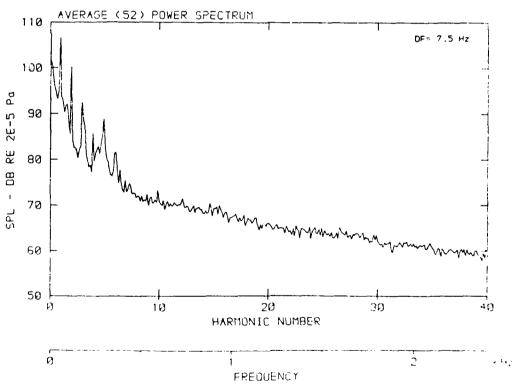
 $\beta: 24.4^{\circ}$ MH: .5825 n: 1800 rpm v/u: .267 $\phi: .0^{\circ}$ T: 288.1 K



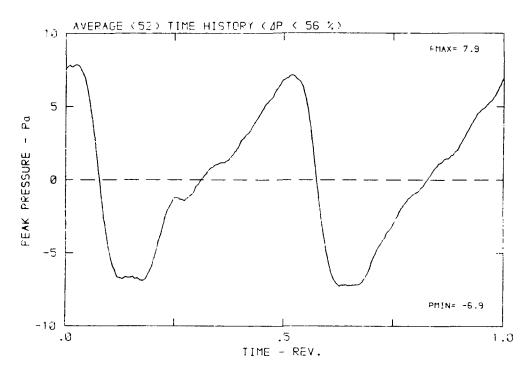


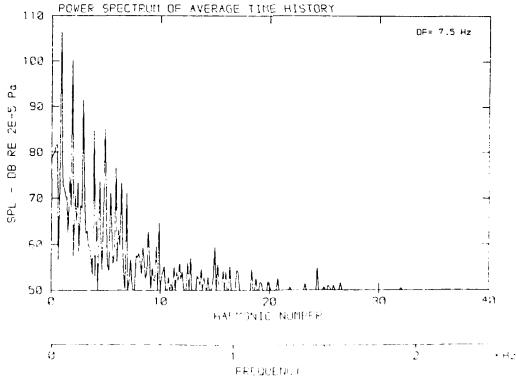
 β : 24.4° MH: .5825 n: 1800 rpm v/u: .267 ϕ : .0° T: 288.1 K



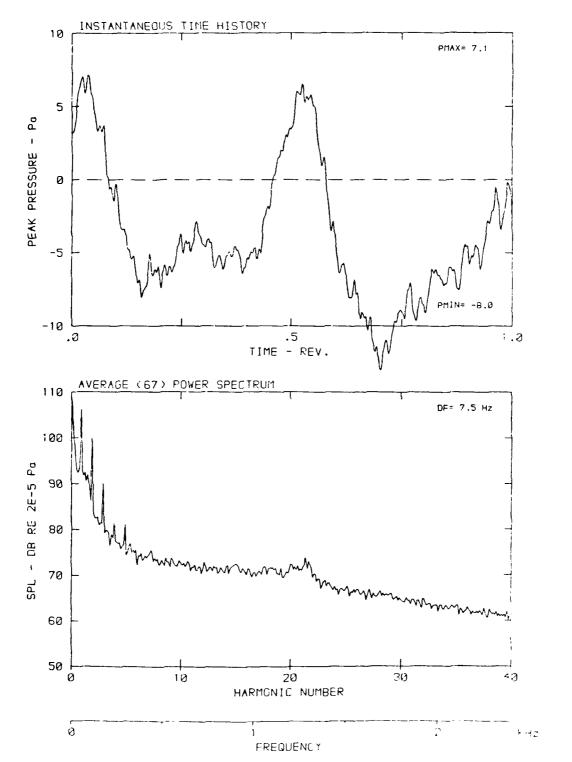


 β : 24.4° MH: .5825 n: 1800 rpm v/u: .267 ϕ : .0° T: 288.1 K

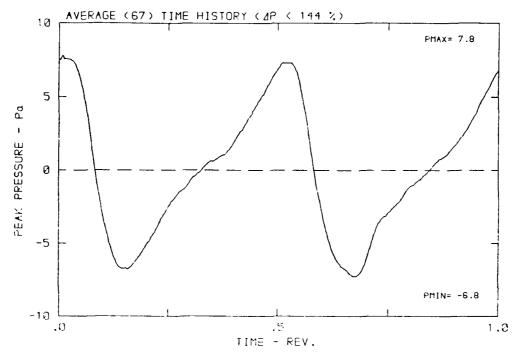


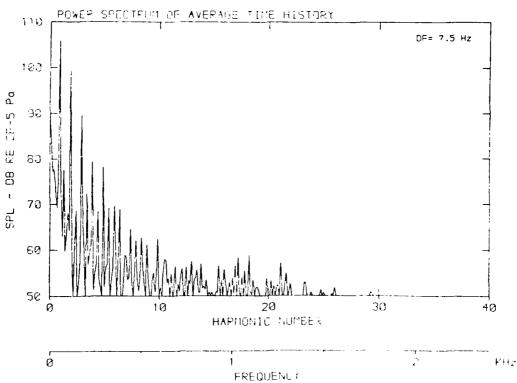


\$: 24.4° MH: .5825 n: 1800 rpm v/u: .267 φ: .0° T: 288.′ K

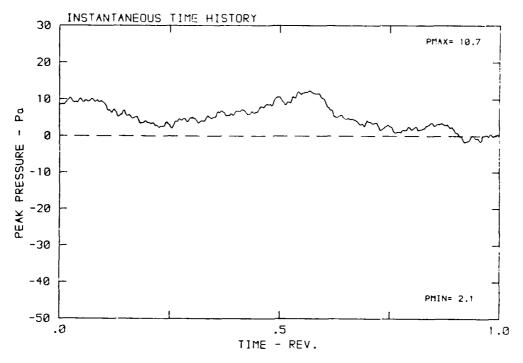


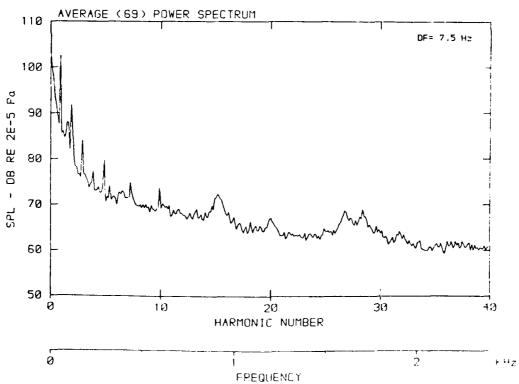
 β : 24.4° MH: .5825 n: 1800 rpm $\mbox{ v/u}$: .267 $\mbox{ }\phi$: .0° T: 288.1 K



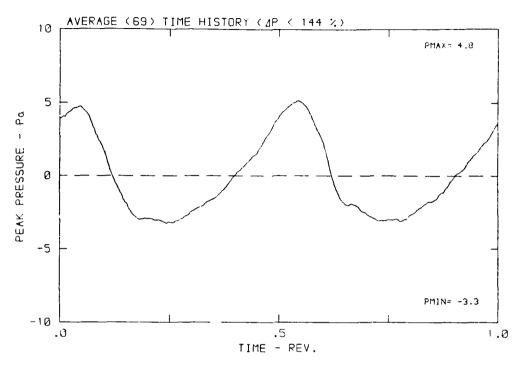


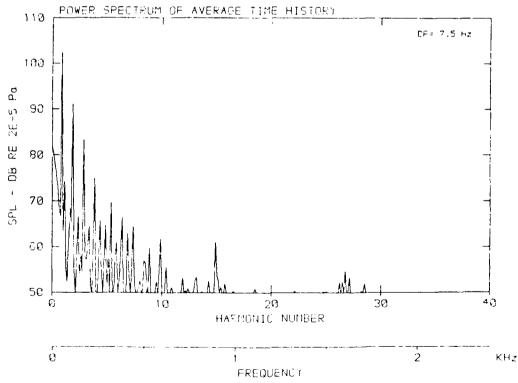
β: 24.4° MH: .5825 n: 1800 rpm v/u: .267 φ: .0° T: 288.1 K



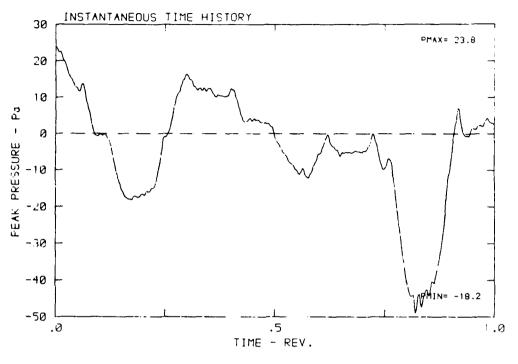


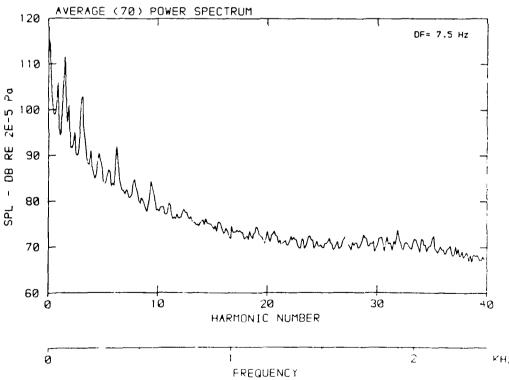
 $β: 24.4^{\circ}$ MH: .5825 n: 1800 rpm v/u: .267 φ: .0° T: 288.1 K



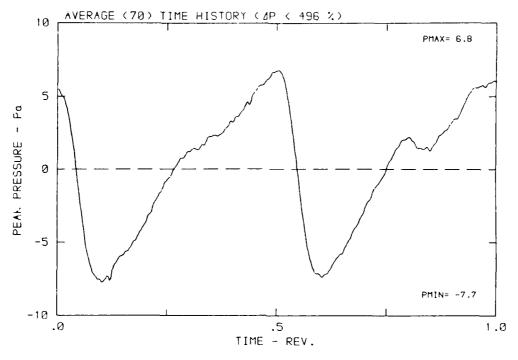


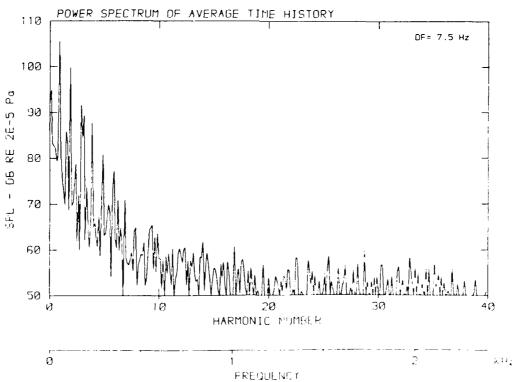
β: 24.4° MH: .5825 n: 1800 rpm $\sqrt{2}$ u: .267 φ: .0° T: 288.1 K



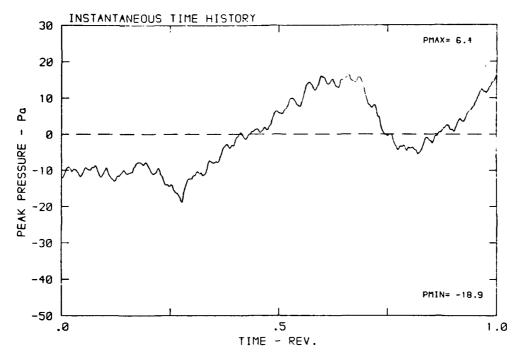


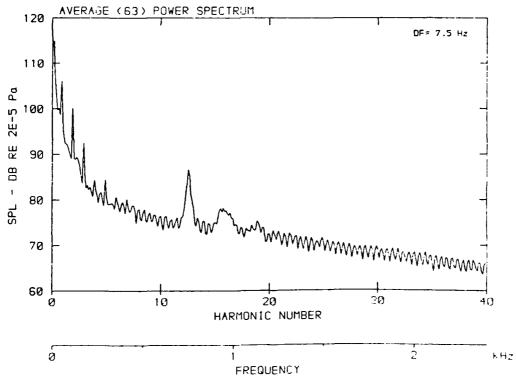
 β : 24.4° MH: .5825 n: 1800 rpm v/u: .267 ϕ : .0° T: 288.1 K



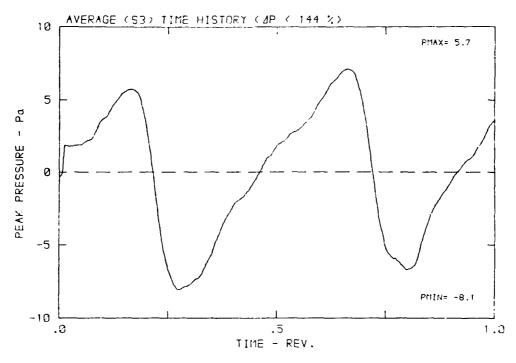


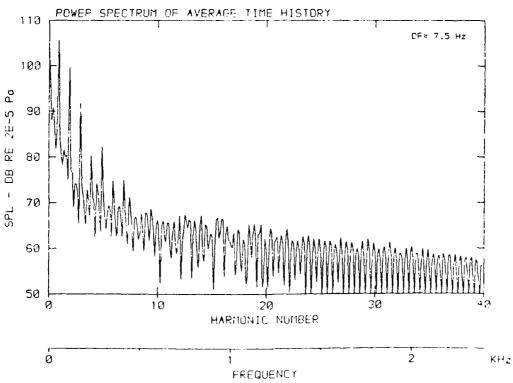
 $\beta\colon\,24.4^{\circ}\,$ MH: .5825 n: 1800 npm v/u: .267 $\varphi\colon\,.0^{\circ}\,$ T: 288.1 K



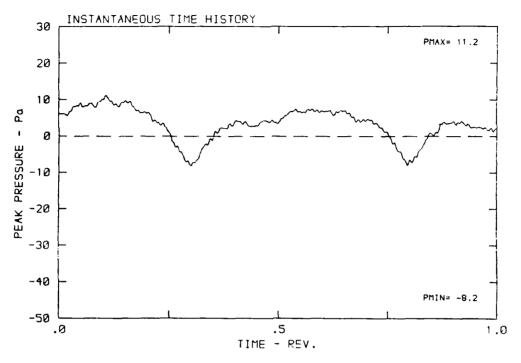


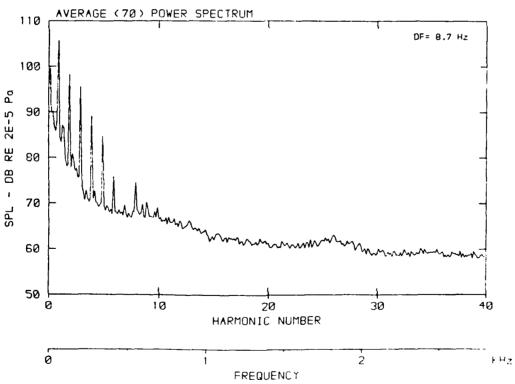
 β : 24.4° MH: .5825 n: 1800 rpm v/u: .267 ϕ : .0° T: 288.1 K



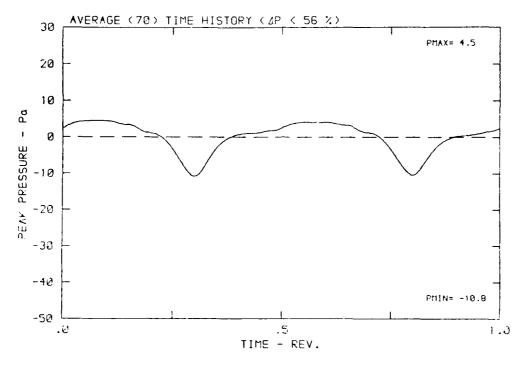


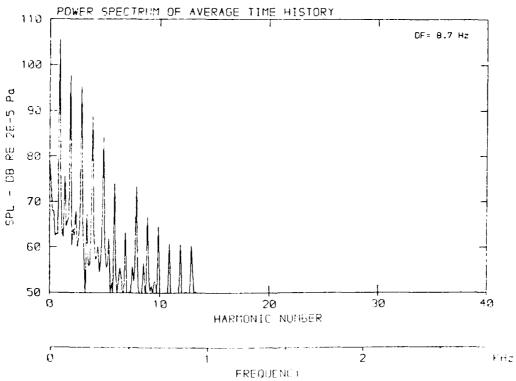
 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 288.4 K



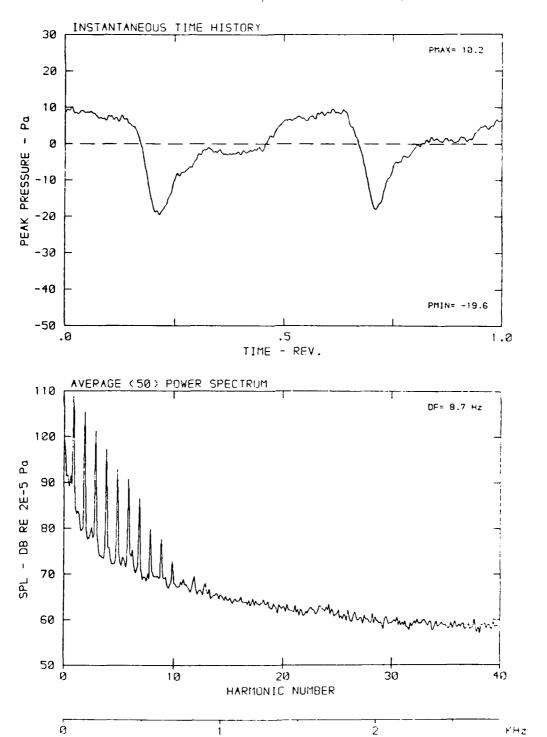


 $\beta\colon 24.4^{\circ}$ MH: .6734 n: 2100 rpm v/u: .231 $\varphi\colon .0^{\circ}$ T: 288.4 K



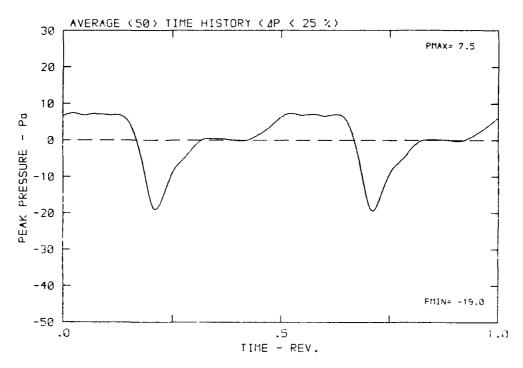


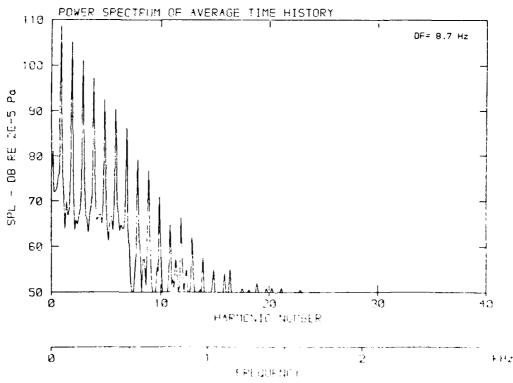
 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 288.4 K



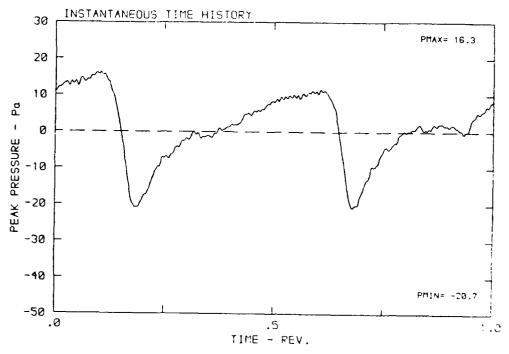
FREQUENCY

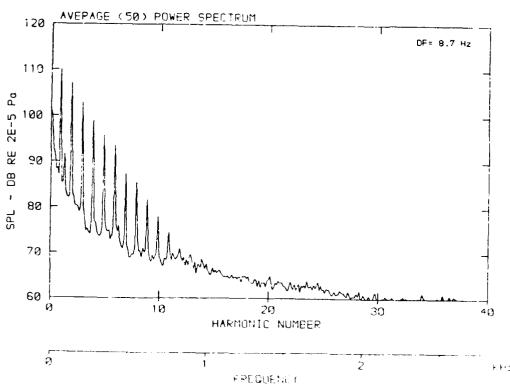
 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 288.4 K



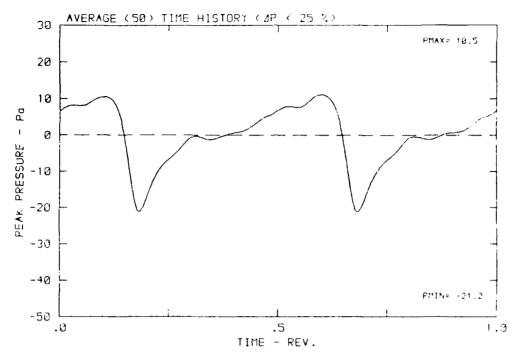


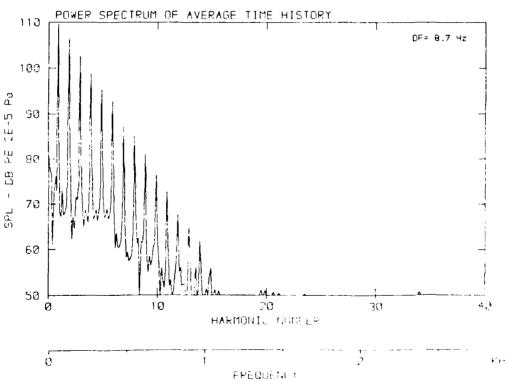
 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 286.4 K



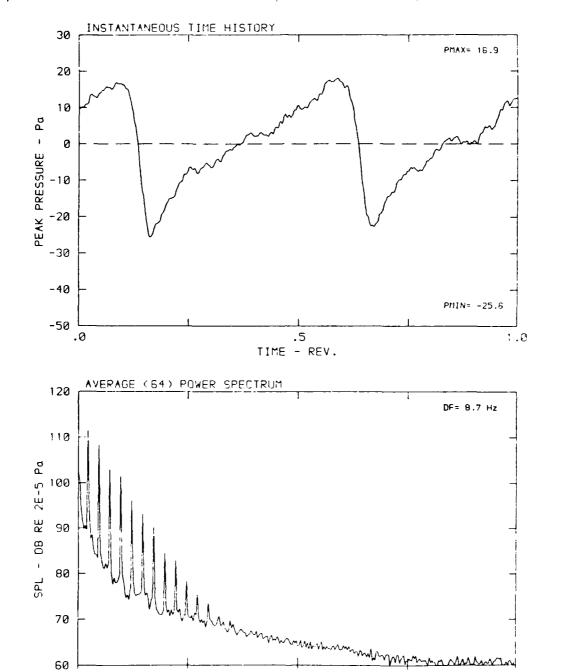


 β : 24.4° MH: .6734 n: 2100 rpm V/U: .231 ϕ : .0° T: 288.4 K





β: 24.4° MH: .6734 n: 2100 npm v/u: .231 ψ: .0° T: 236.4 ×

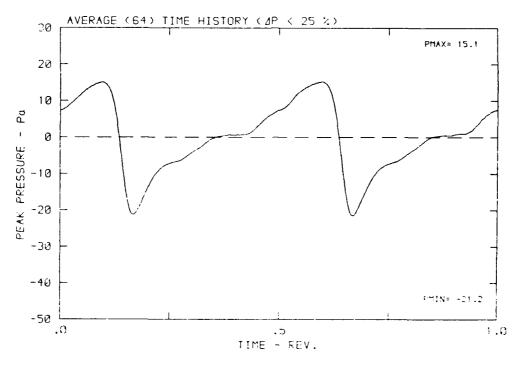


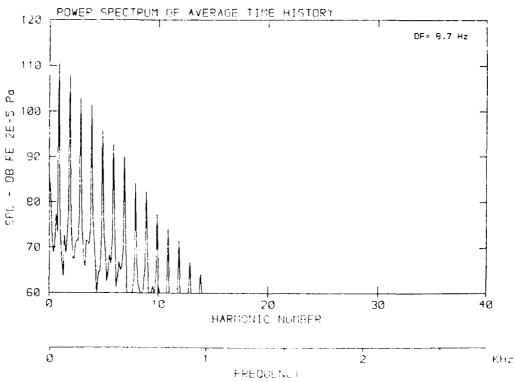
Ø 1 2 FREQUENCY

20 HARMONIC NUMBER

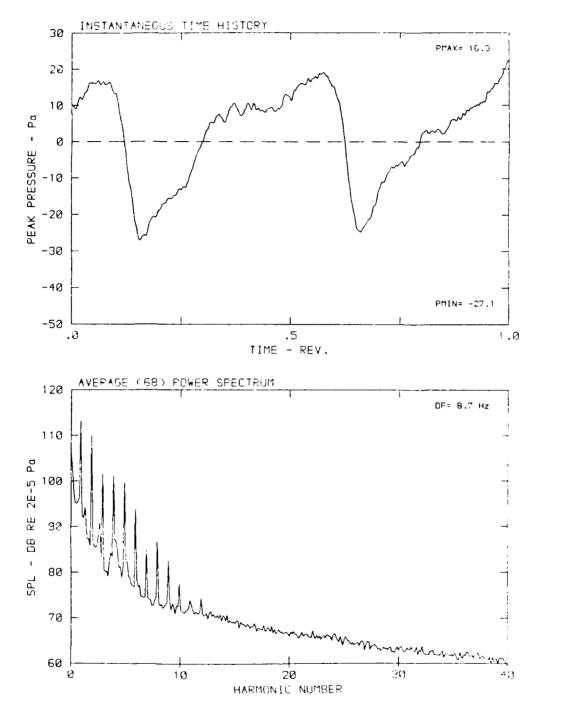
10

 $\beta\colon\,24.4^{\circ}\,$ MH: .6734 n: 2100 rpm v/u: .231 $\varphi\colon\,.0^{\circ}\,$ T: 288.4 K





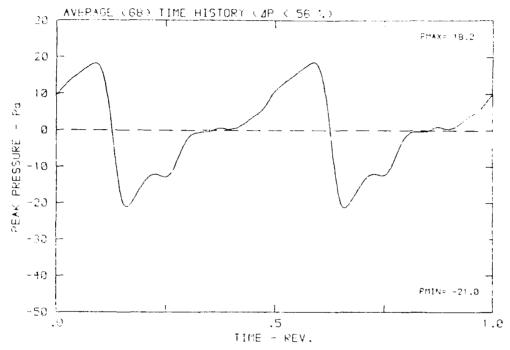
β: 24.4° MH: .5734 n: 2100 rpm v/u: .231 φ: .0° T: 203.4 K

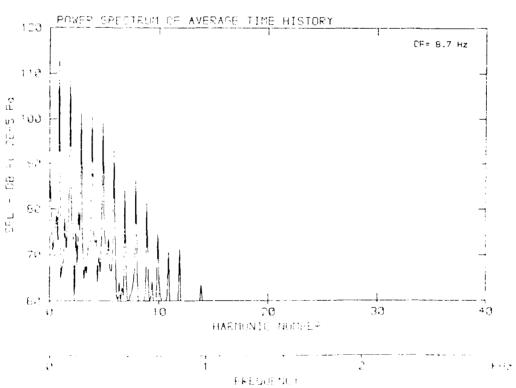


FREQUENCY

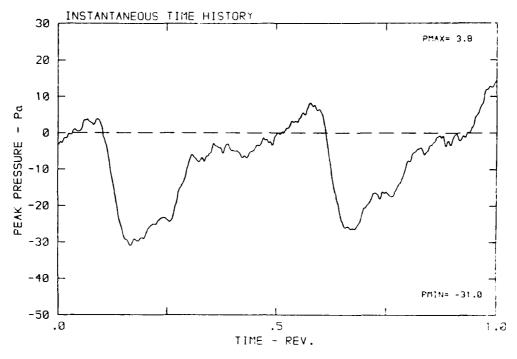
É

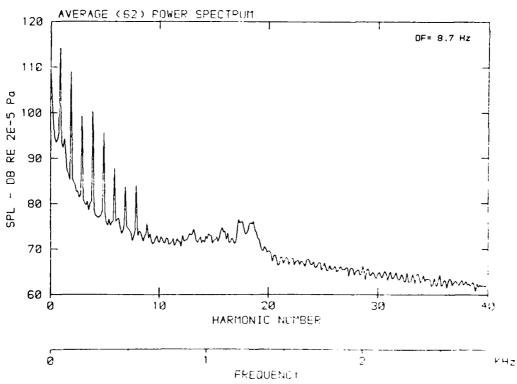
 $β: 24.4^{\circ}$ MH: .6734 n: 2100 npm $ν/ψ: .231 φ: .9^{\circ}$ T: 288.4 K



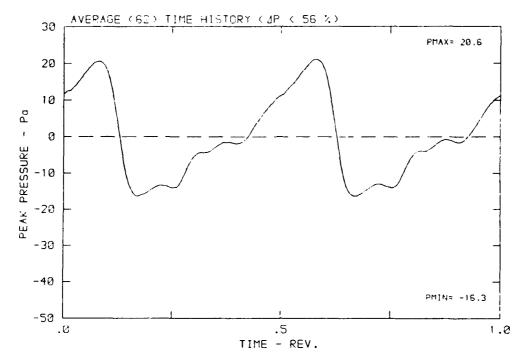


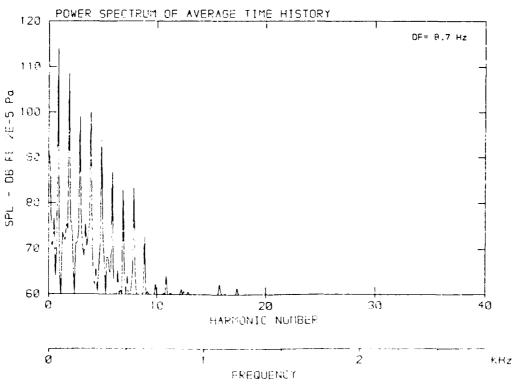
 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 288.4 K



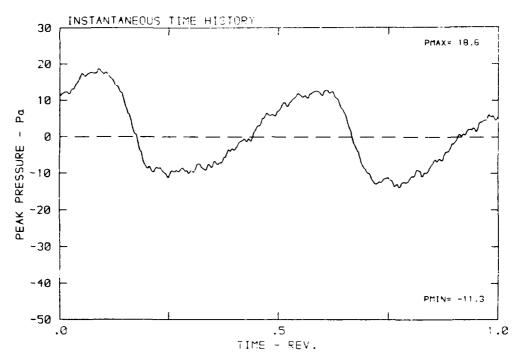


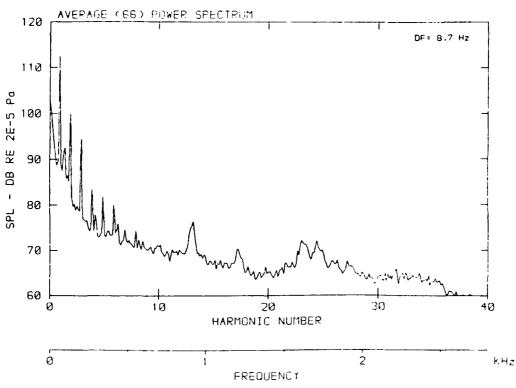
 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 288.4 K



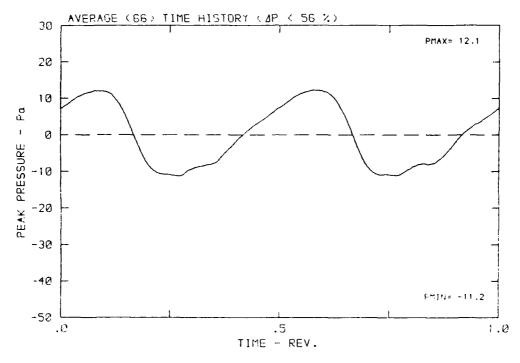


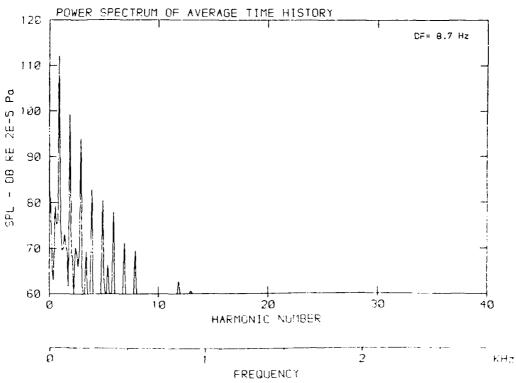
 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 298.4 K



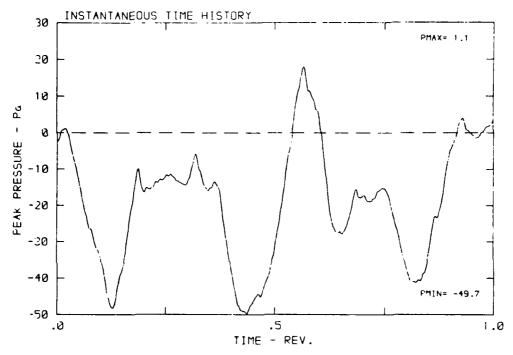


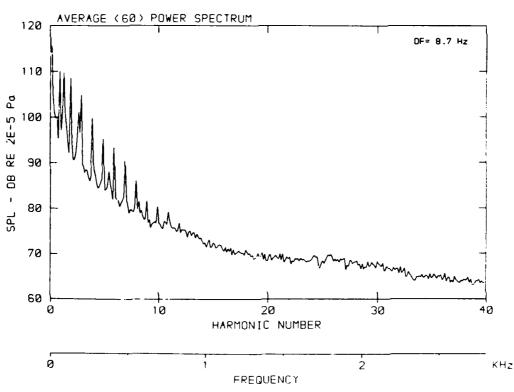
 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 288.4 K



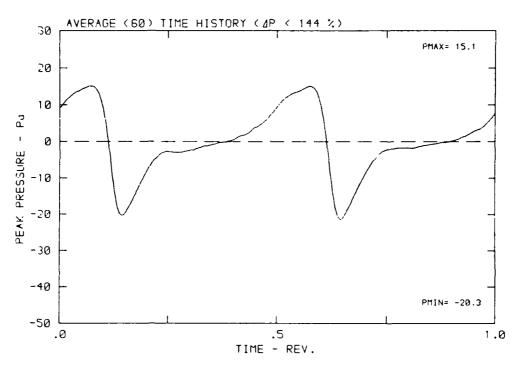


 β : 24.4° MH: .6734 n: 2100 npm $\forall 2u$: .231 ϕ : .0° T: 288.4 K



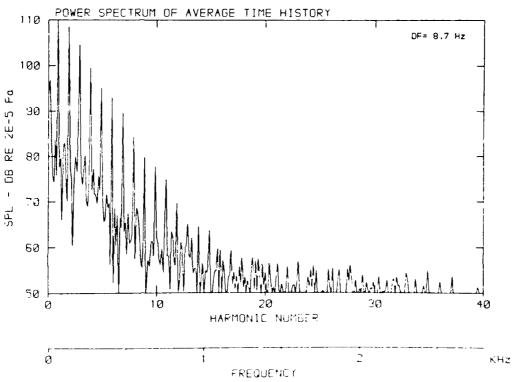


 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 288.4 K

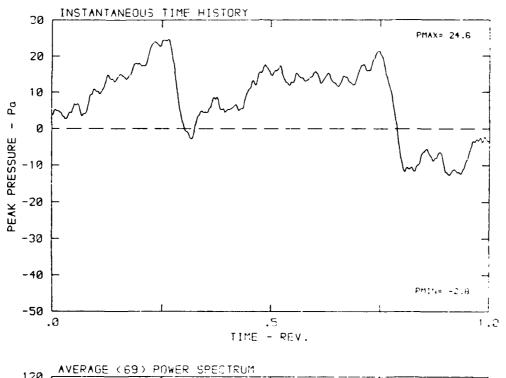


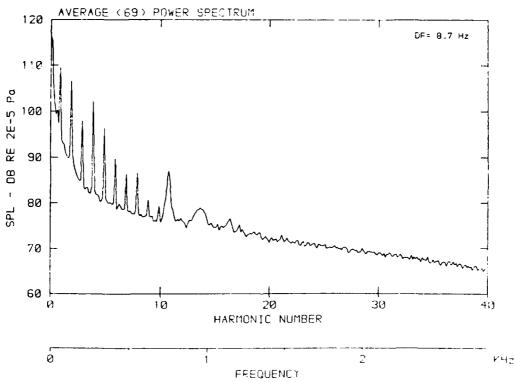
ACCEPTED BOOKS SEEDING SEEDING SEEDING SEEDINGS

popul processor populations social

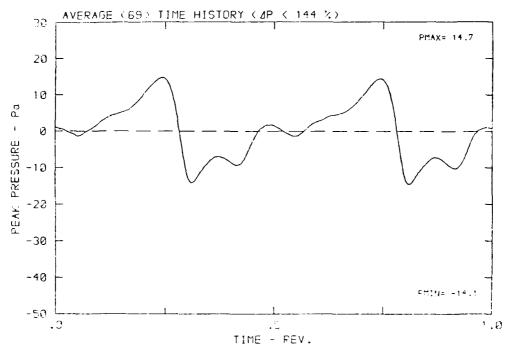


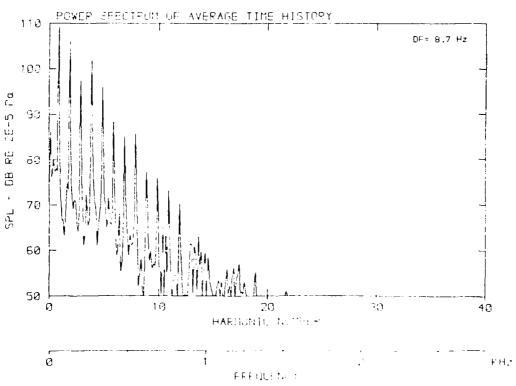
β: 24.4° MH: .6734 n: 2100 npm γ/u: .231 φ: .0° Τ: 238.4 K



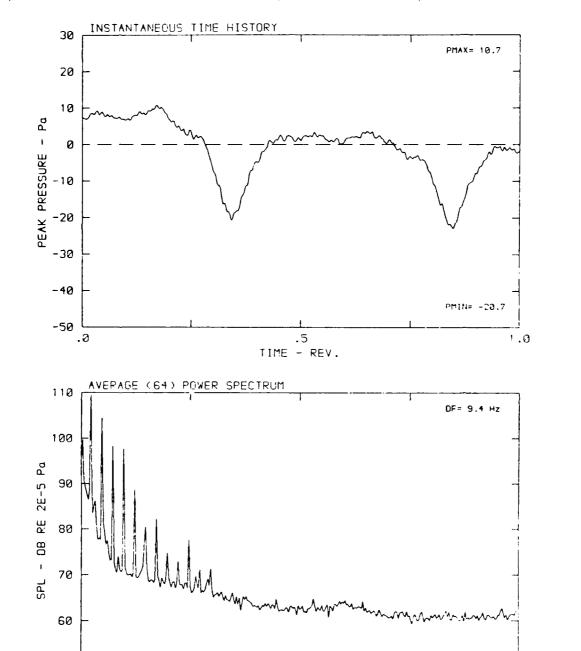


 β : 24.4° MH: .6734 n: 2100 rpm v/u: .231 ϕ : .0° T: 288.4 K





β: 24.4° MH: .7191 n: 2250 rpm v/u: .216 ϕ : .0° T: 288.6 K



20

HARMONIC NUMBER

FREQUENCY

30

40

3 FH2

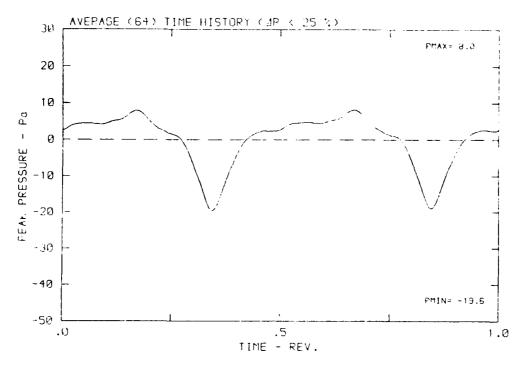
services independ languages in

50

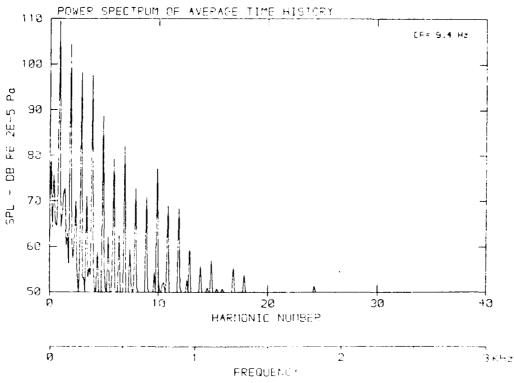
0

10

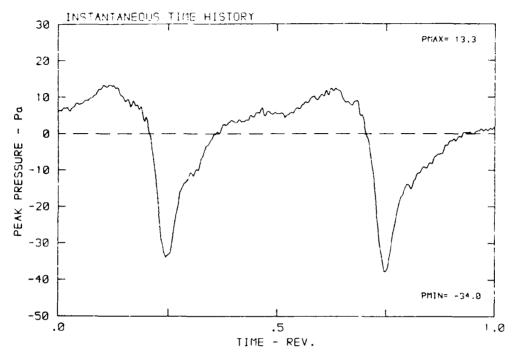
β: 24.4° MH: .7191 n: 2250 rpm v/u: .216 φ: .0° T: 288.6 K

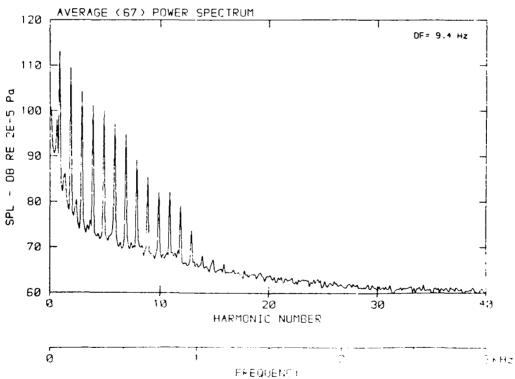


これのできる はんばんしん

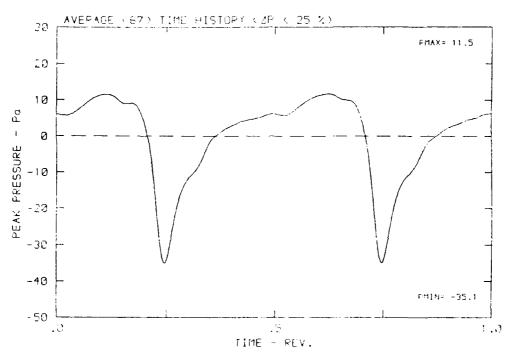


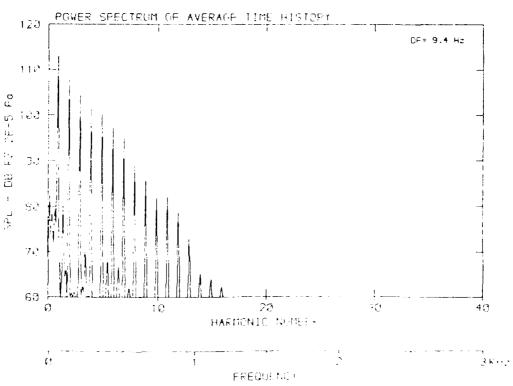
β: 24.4° MH: .7191 n: 2250 rpm ν/u: .216 φ: .0° T: 288.8 K



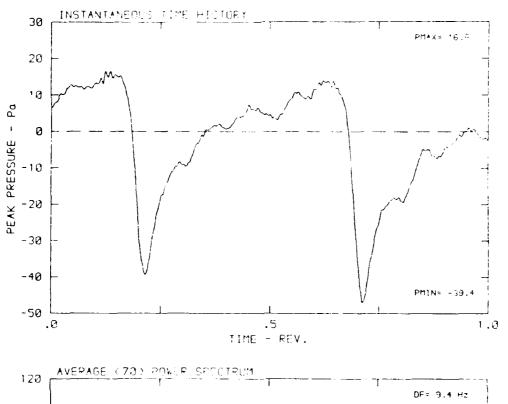


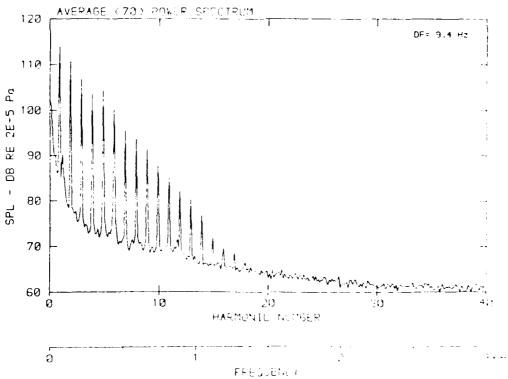
β: 24.4° MH: .7191 n: 3250 rpm v/u: .216 φ: .0° T: 288.6 K





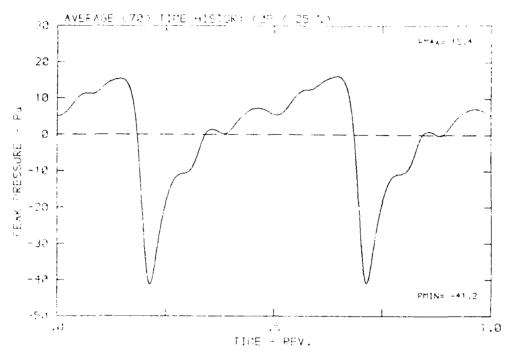
β: 24.4° MH: .719; h: 3320 npm (vau: .216 φ: .0°); 358.6 κ

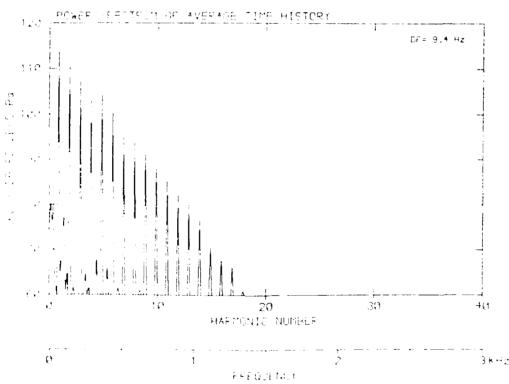




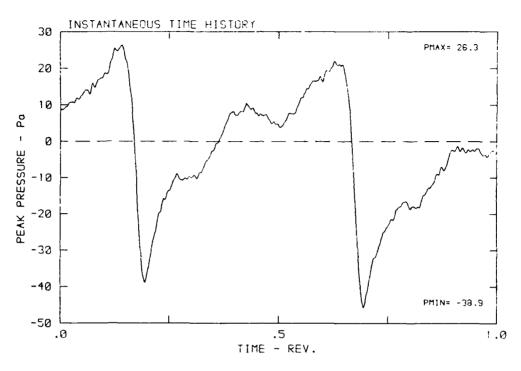
LUATA POINTS OF -7 MINE 121 MP: 3

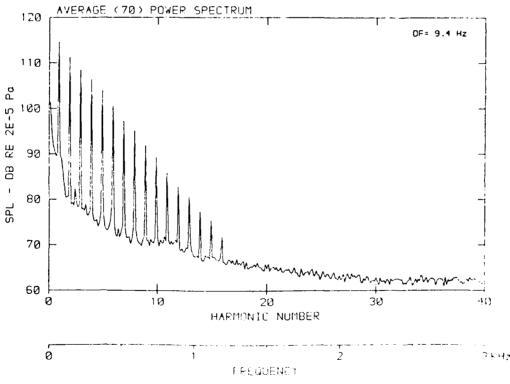
β: 24.4° MH: .7191 h: 2250 hpm $_{\rm A}$ u: .216 φ: .0° T: 288.6 K



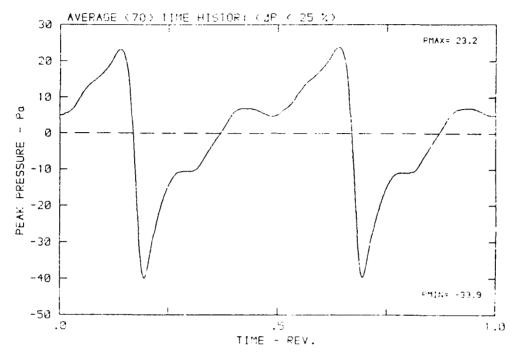


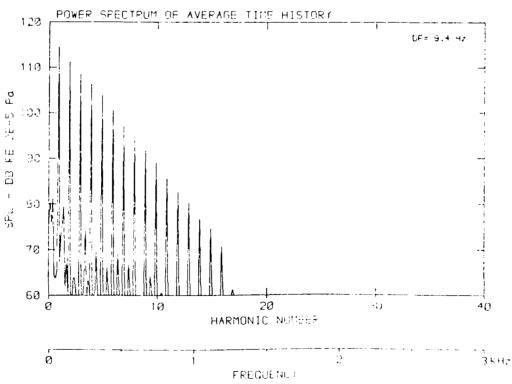
 $\beta\colon\,24.4^{\circ}\,$ MH: .7191 n: 2250 npm v/u: .216 $\varphi\colon\,.0^{\circ}\,$ T: 288.6 K



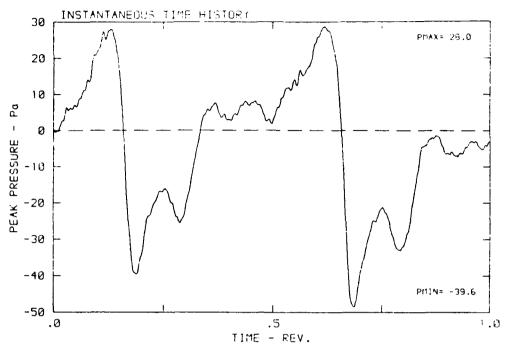


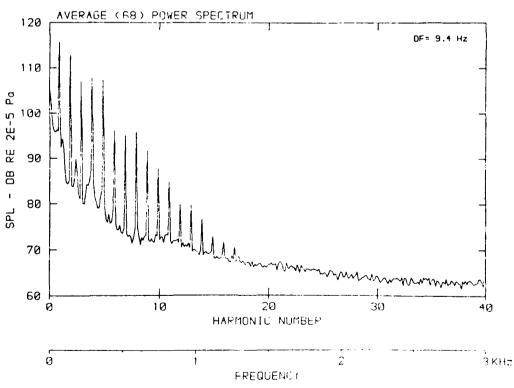
β: 24.4° MH: .7191 n: 2250 rpm ν/u: .216 φ: .0° T: 288.6 K



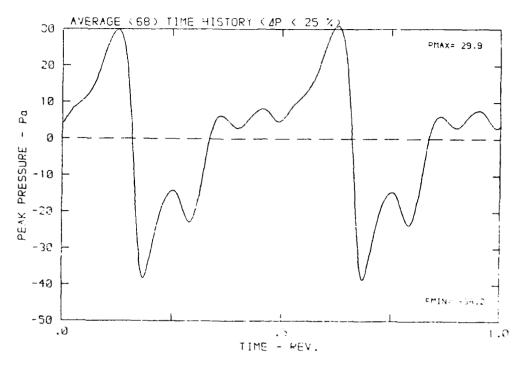


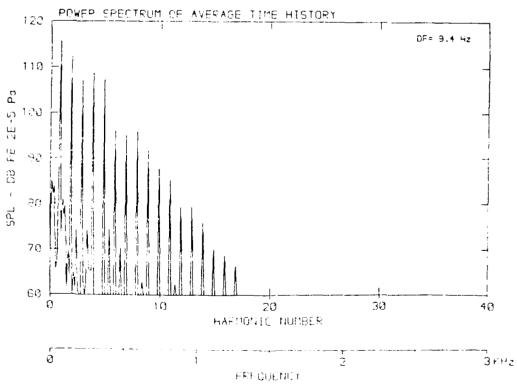
β: 24.4° MH: .7191 h: 2002 rpm (200: .216 φ: .0° T: 288.6 K



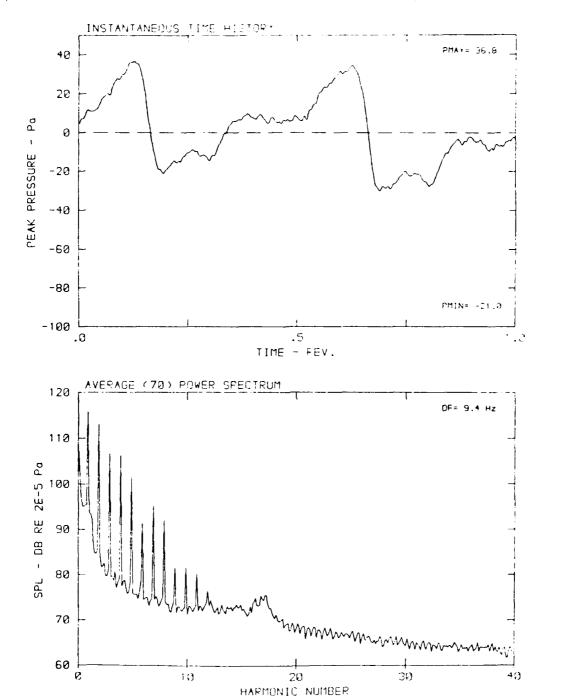


 β : 24.4° MH: .7191 n: 2250 rpm v/u: .216 ϕ : .0° T: 288.6 K





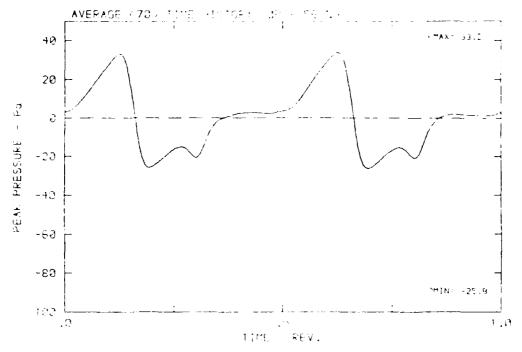
β: 24.4° MH: .7191 h: 2250 egm \ u: .216 ψ: .0° T: 288.6 K

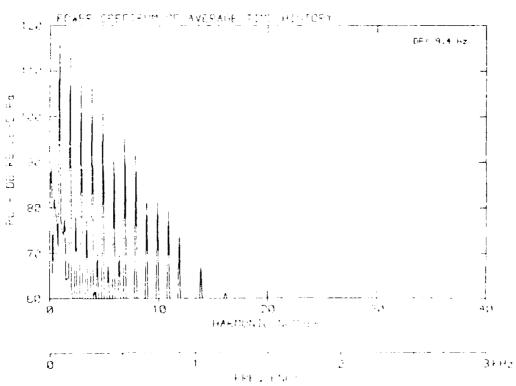


FREQUENCY

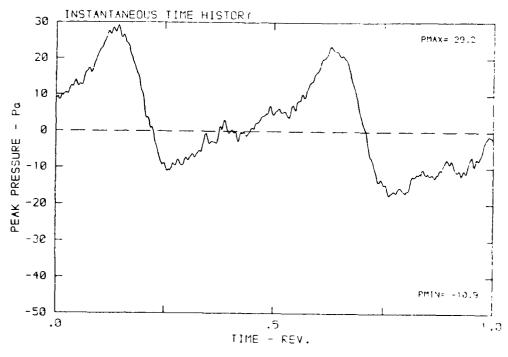
Ò

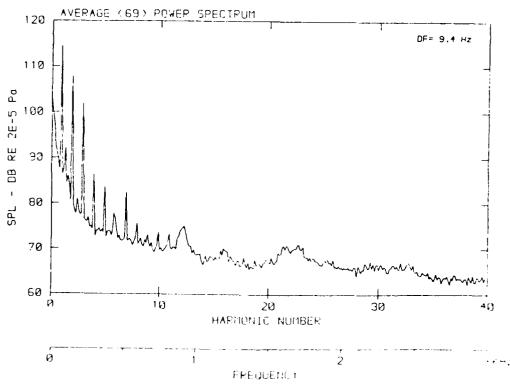
β: 24.4° MH: .7191 h: 2250 npm \sqrt{a} : .215 ϕ : .0° T: 288.6 K



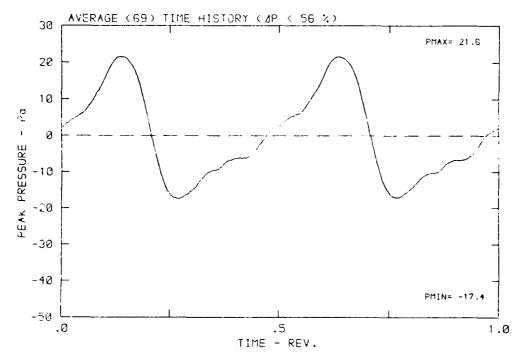


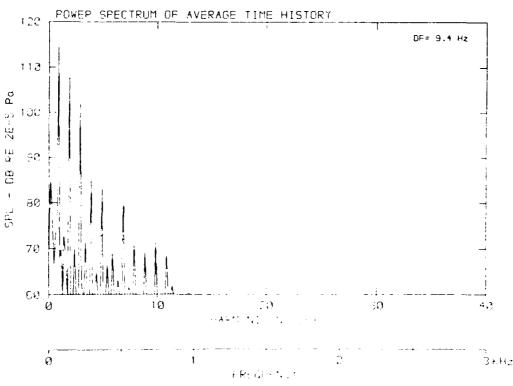
β: 24.4° MH: .7191 n: 2250 npm V/u: .219 φ: .0° T: 288.5 K



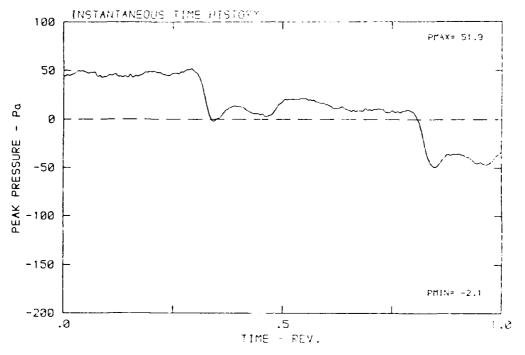


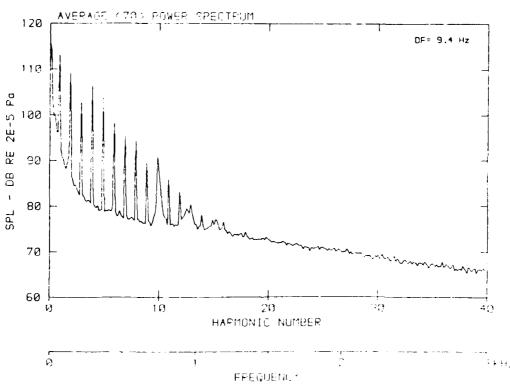
 β : 24.4° MH: .7191 n: 2250 rpm v/u: .216 ϕ : .0° T: 288.6 K



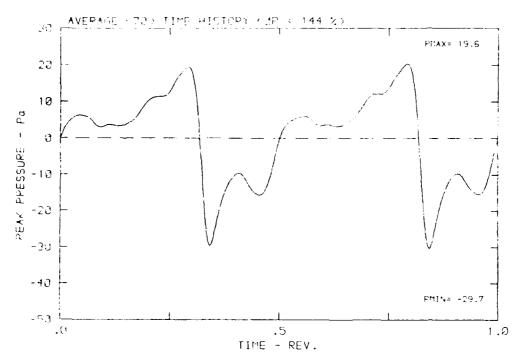


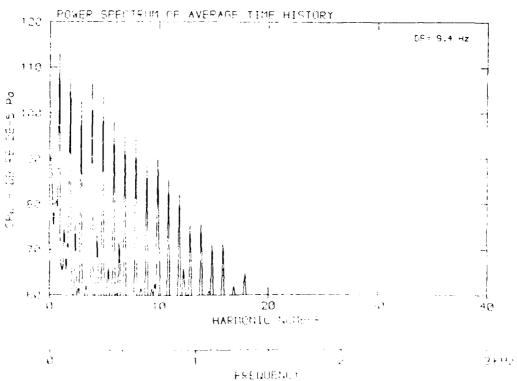
β: 24.4° MH: .7191 n: 2250 rpm v u: .216 φ: .0° T: 293.6 k



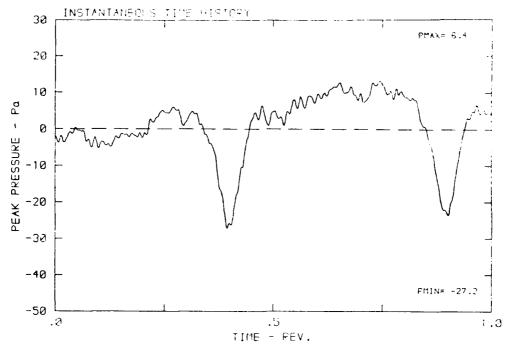


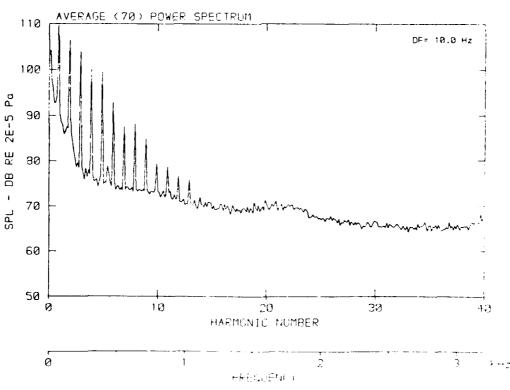
 β : 24.4° MH: .7191 n: 2250 rpm v/u: .216 ϕ : .0° T: 288.6 K



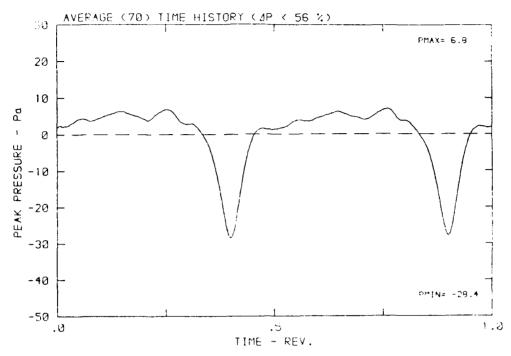


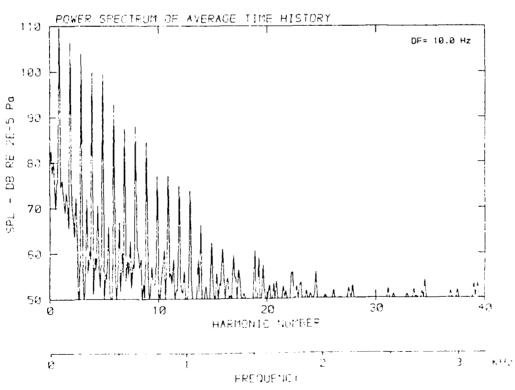
β: 24.4° MH: .7739 h: 3400 $\ell_{\rm pm}$ / G: .263 ψ : .0° T: 389.7 k





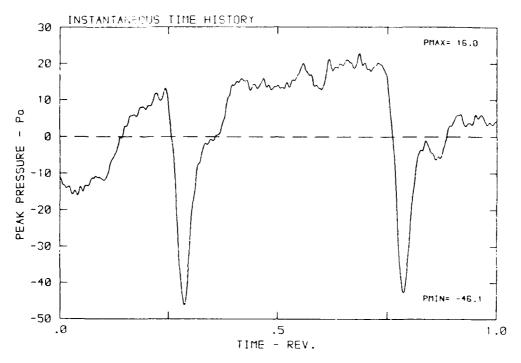
 $\beta\colon\,24.4^{\circ}\,$ MH: .7738 n: 2400 rpm v/u: .263 $\,\varphi\colon\,.9^{\circ}\,$ T: 289.7 K

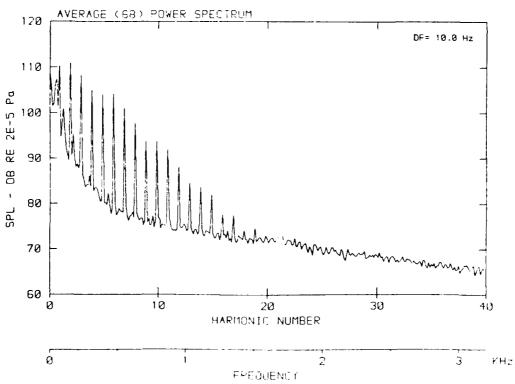




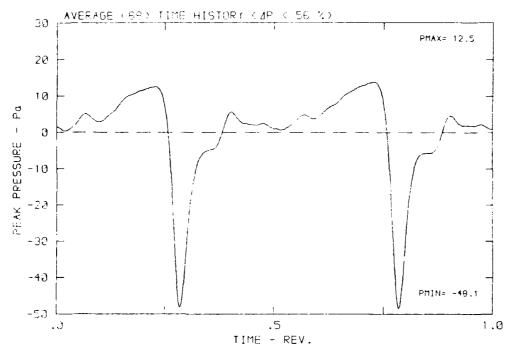
e representation openiones. Terrespess researches terrespess to the proposition (terrespess)

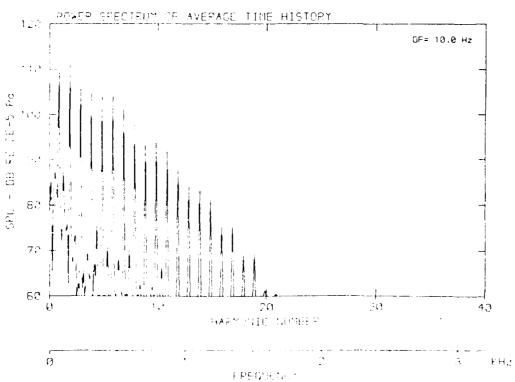
β: 24.4° MH: .7738 n: 2400 npm ν/u: .263 φ: .2° T: 289.7 κ



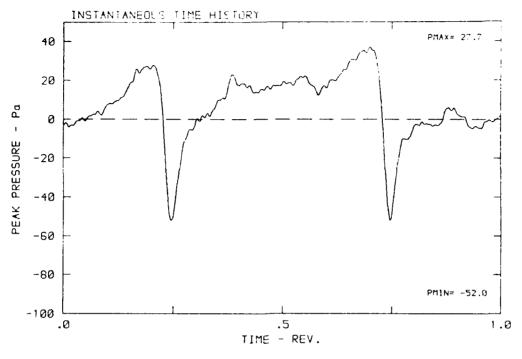


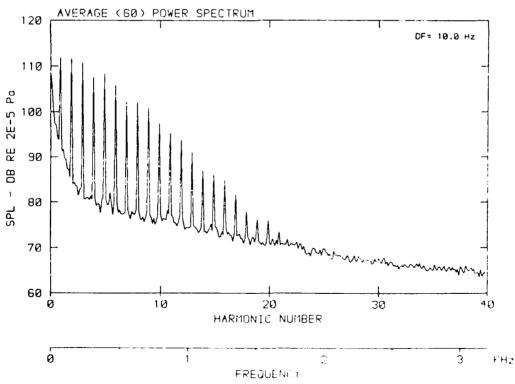
 β : 24.4° MH: .7738 n: 2400 rpm v/u: .263 ϕ : .0° T: 289.7 K



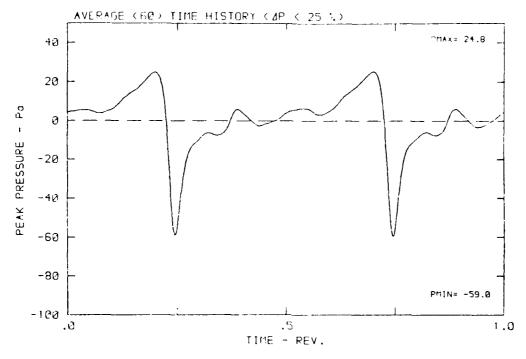


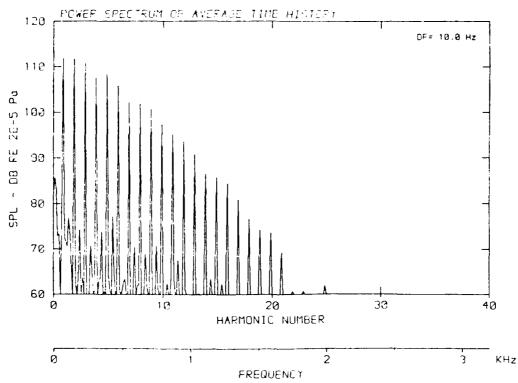
β: 24.4° MH: .7738 h: 2400 mpm //d: .26% φ: .0° T: 289.7 K



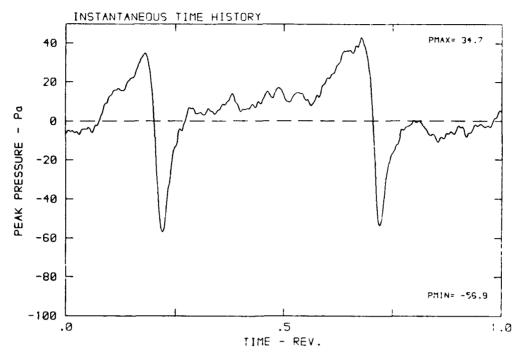


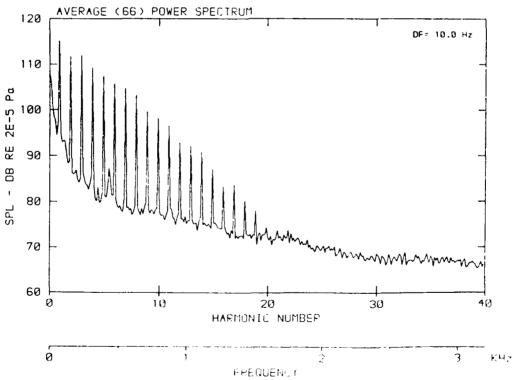
 $\beta\colon\,24.4^{\circ}\,$ MH: .7738 n: 2400 rpm $\,$ v/u: .263 $\,$ $\varphi\colon\,.0^{\circ}\,$ T: 289.7 K



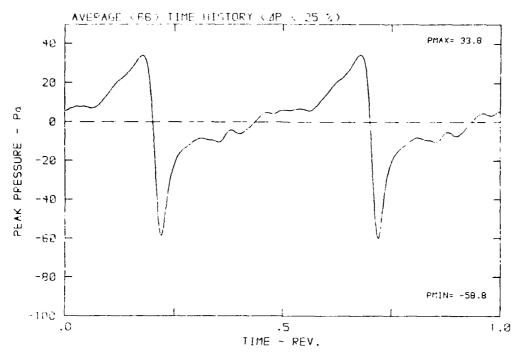


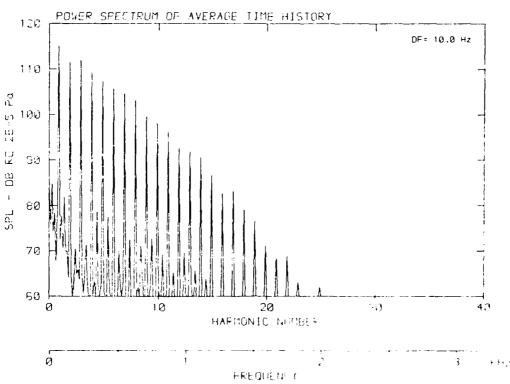
β: 24.4° MH: .7738 n: 2400 rpm γ/u: .263 φ: .0° T: 289.7 K





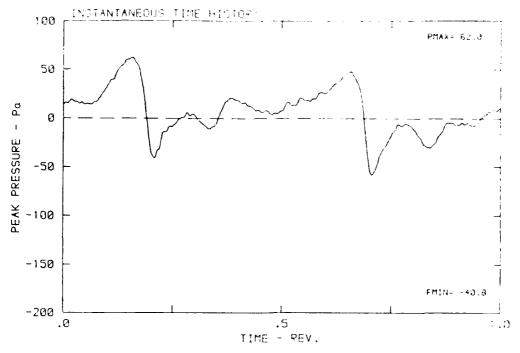
 β : 24.4° MH: .7738 n: 2400 rpm v/u: .263 ϕ : .0° T: 289.7 K

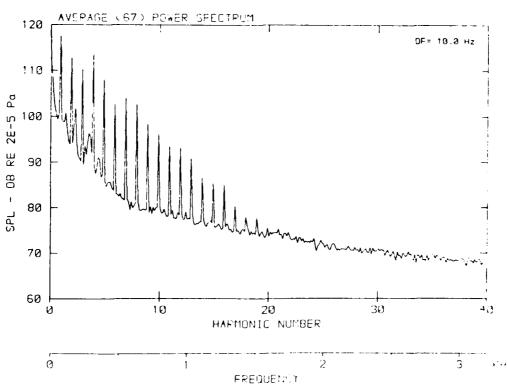




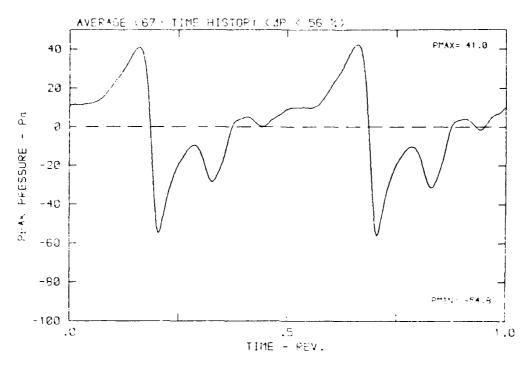
DATA POINT: CC-5 POINT: 12 MP: 5

β: 24.4° MH: .7738 n: 2400 kpm -6000 .50 -400 T: 289.7 K

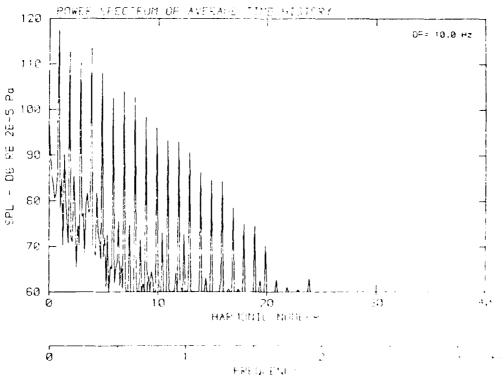




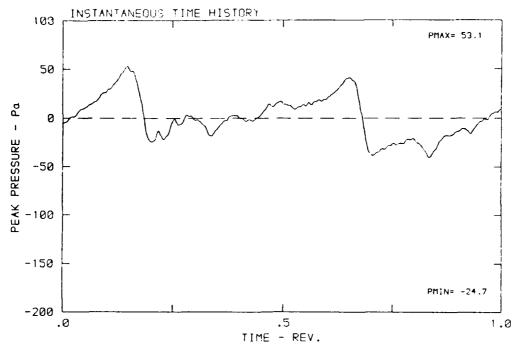
 β : 24.4° MH: .7738 n: 2400 rpm v/u: .263 ϕ : .0° T: 289.7 K

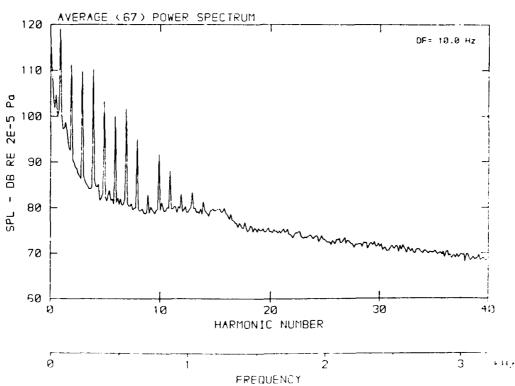


SEISH STATES STATES SECURISE SECURISE SECURISE

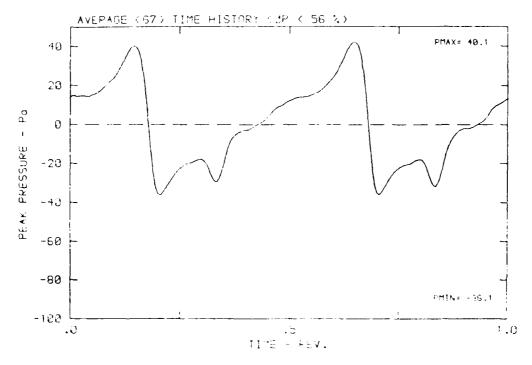


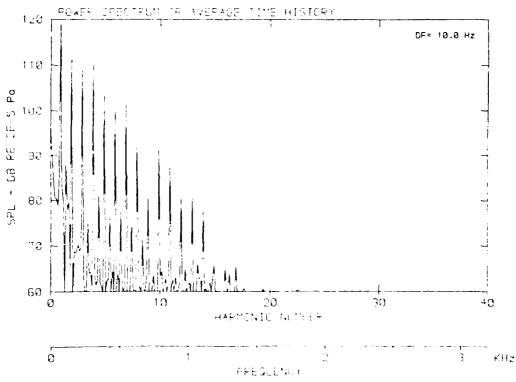
 β : 24.4° MH: .7738 n: 2480 rpm v/u: .263 ϕ : .0° T: 289.7 K



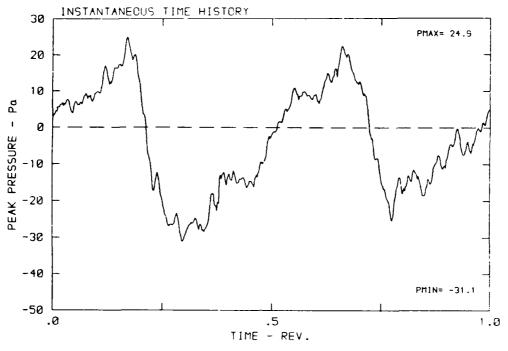


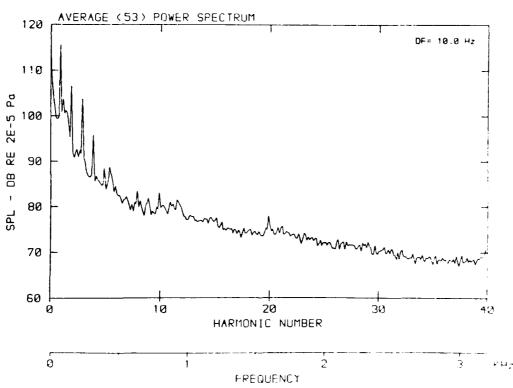
 $\beta\colon\,24.4^{\circ}\,$ MH: .7738 n: 2400 rpm v/u: .263 $\varphi\colon\,.0^{\circ}\,$ T: 289.7 K



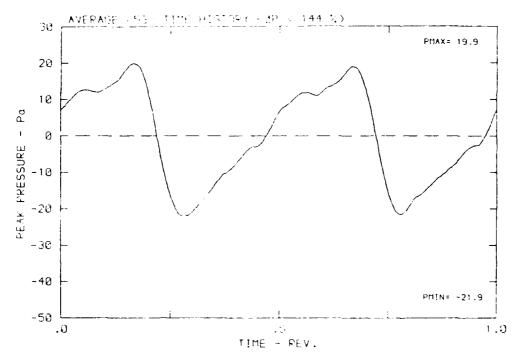


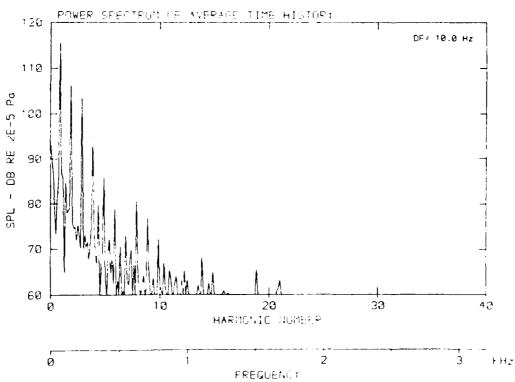
 β : 24.4° MH: .7738 n: 2400 npm v/u: .263 ϕ : .0° T: 289.7 K



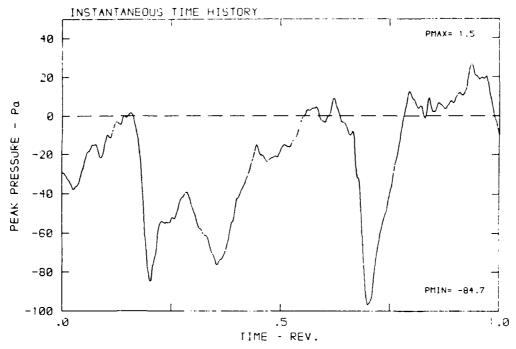


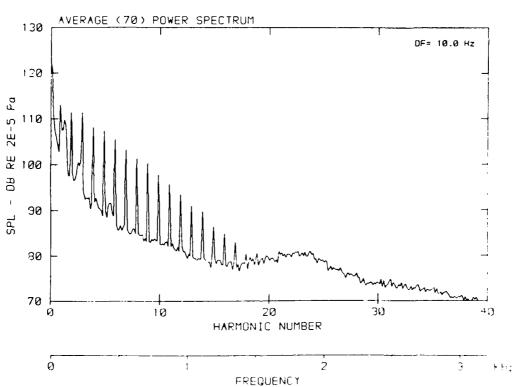
β: 24.4° MH: .7738 h: 2400 npm $v^{2}u^{2}$.263 φ: .0° T: 289.7 K



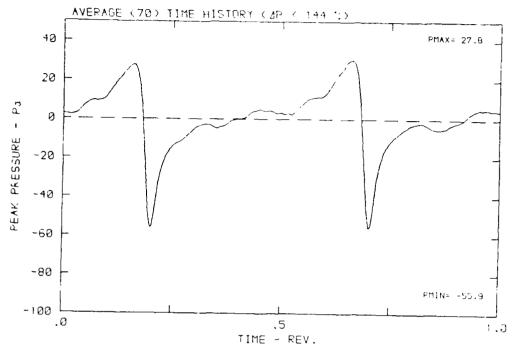


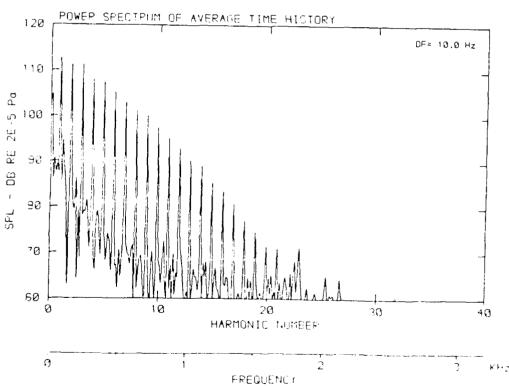
β: 24.4° MH: .7738 n: 2400 npm V/U: .263 Φ: .0° T: 089.7 K



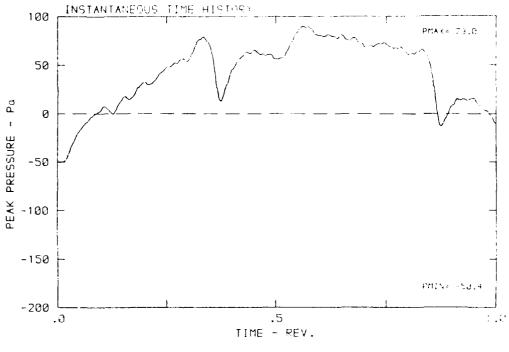


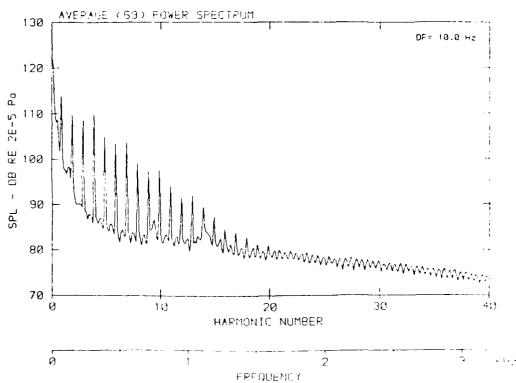
 $\beta\colon 24.4^{\circ}$ MH: .7738 n: 2400 rpm v/u: .263 $\varphi\colon .0^{\circ}$ T: 289.7 K



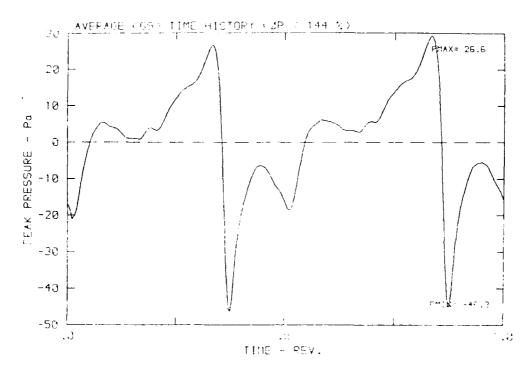


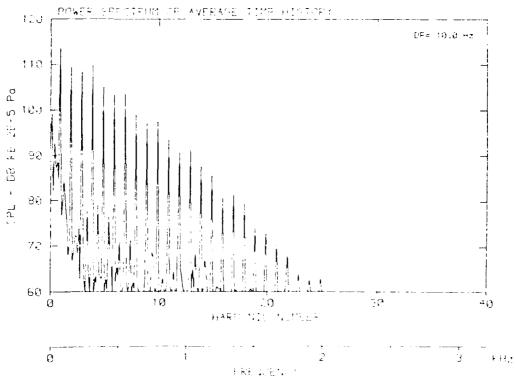
β: 24.4° MH: .7738 n: 2400 npm (1.0: .203 φ: .0° 1: 250.7 %)



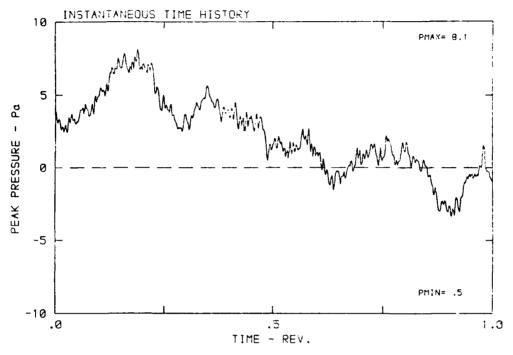


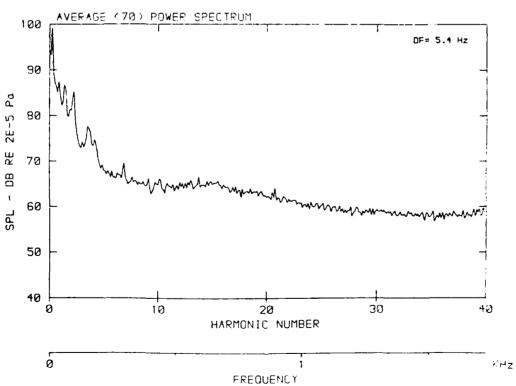
 $\beta\colon 24.4^{\circ}$ MH: .7738 n: 2400 npm v/u: .263 $\varphi\colon .0^{\circ}$ T: 289.7 K



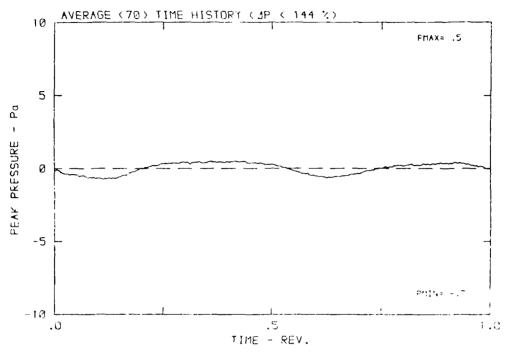


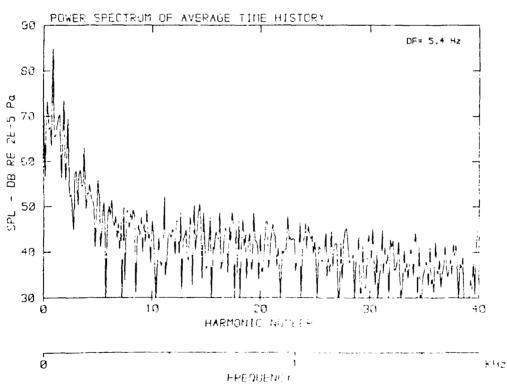
β: 24.4° MH: .4315 n: 1294 npm γ/u: .375 φ: .0° T: 288.8 K



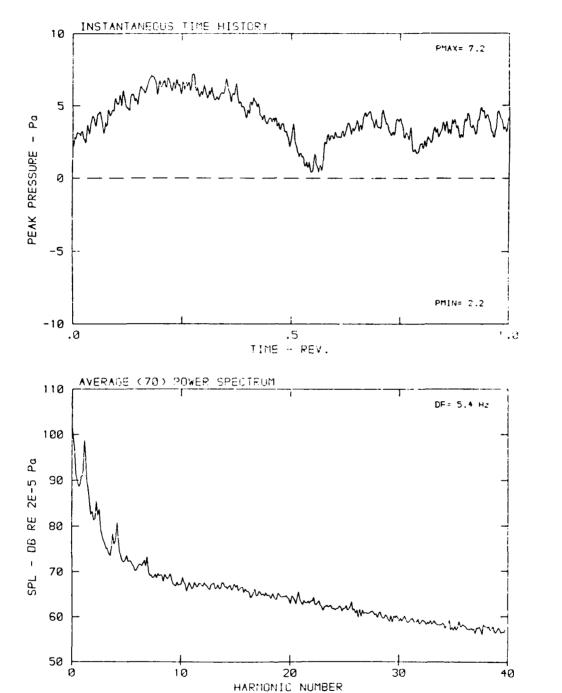


β: 24.4° MH: .4315 n: 1294 rpm v/u: .375 φ: .0° T: 288.8 K





β: 24.4° MH: .4315 n: 1294 npm vou: .375 φ: .0° T: 288.8 K

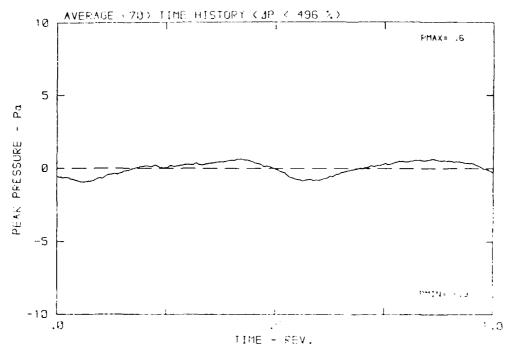


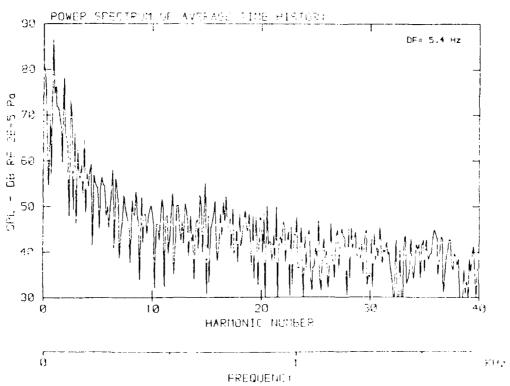
FREQUENCY

KHz

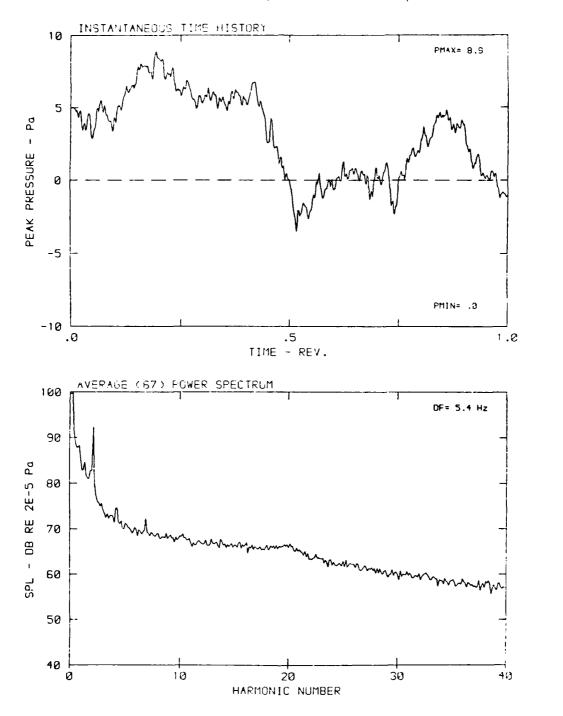
ø

β: 24.4° MH: .4315 n: 1294 rpm ν/u: .375 φ: .0° T: 288.8 K



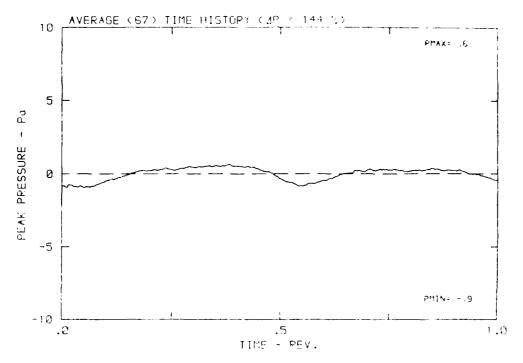


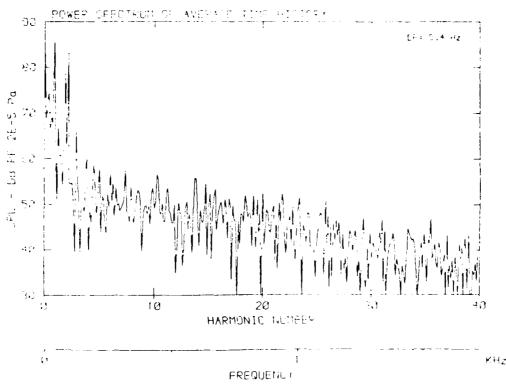
β: 24.4° MH: .4315 n: 1254 npm \/u: .375 \\ \\ \: .8° \\ T: 288.8 K



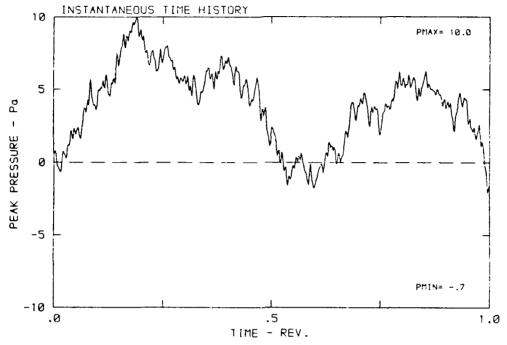
FREQUENCY

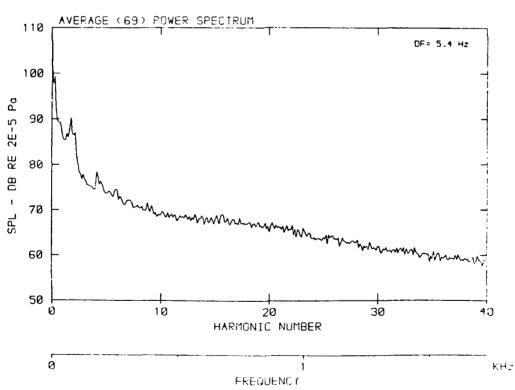
β: 24.4° MH: .4315 n: 1294 npm .994: .375 φ: .99 T: 289.9 -



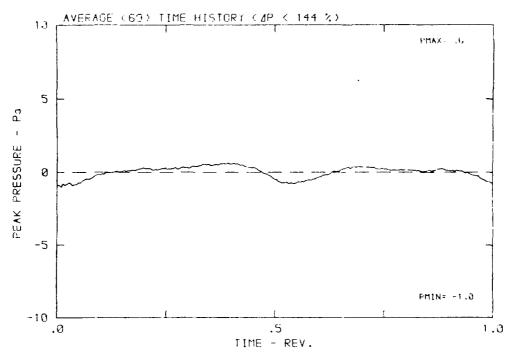


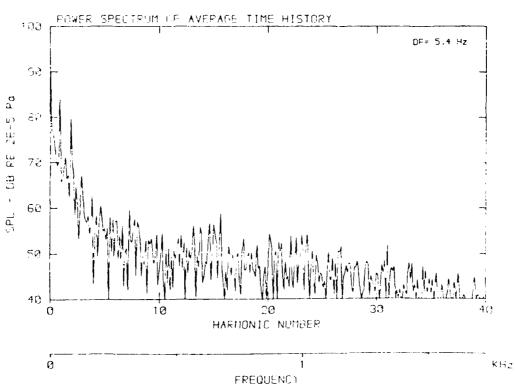
β: 24.4° MH: .4315 n: 1294 npm v/u: .375 3: .0° T: 288.8 K



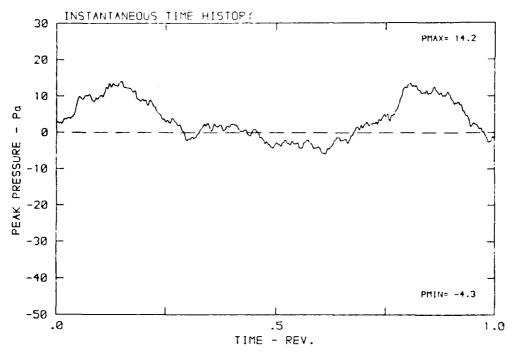


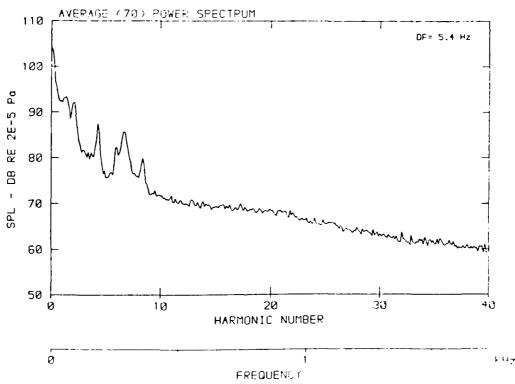
 $\beta\colon 24.4^{\circ}$ MH: .4315 n: 1294 npm v/u: .375 $\psi\colon .0^{\circ}$ T: 288.8 K



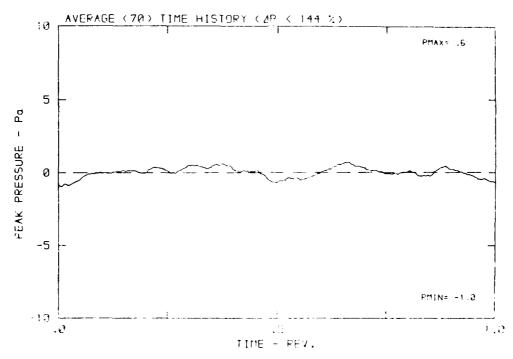


 β : 24.4° MH: .4315 n: 1294 npm v/u: .375 ϕ : .0° T: 289.8 K

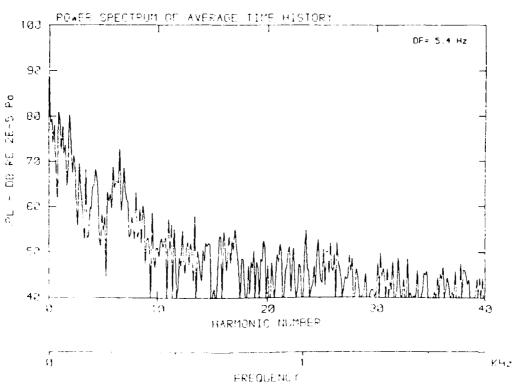




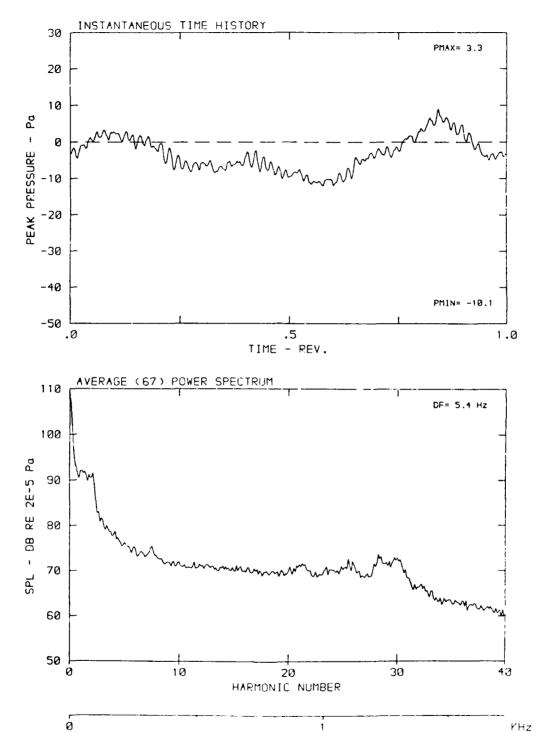
β: 24.4° MH: .4315 n: 1294 rpm v/u: .375 ψ: .0° T: 288.8 K



CONCRETE UNANDAMENT RESERVES ON THE



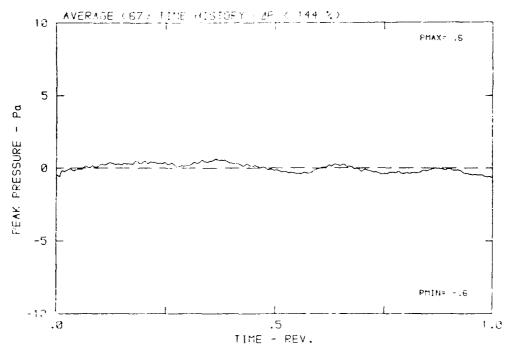
β: 24.4° MH: .4315 n: 1294 rpm ν/u: .375 φ: .0° T: 288.8 κ

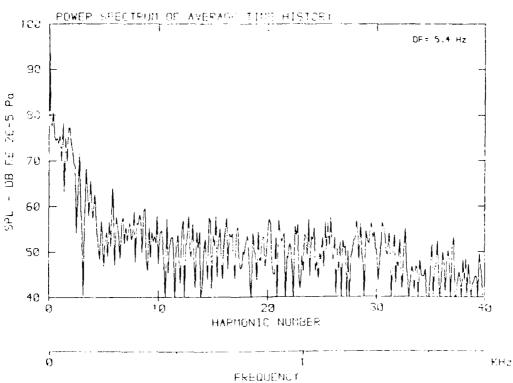


FREQUENCY

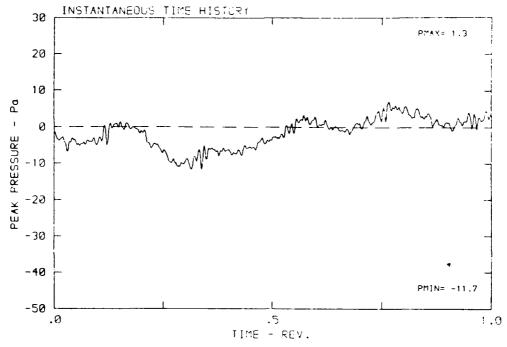
medecal processes processes supplying

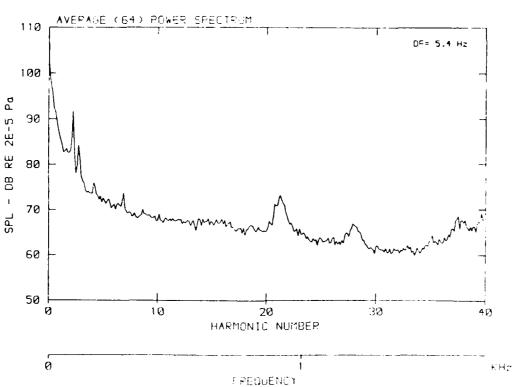
 β : 24.4° MH: .4315 n: 1294 rpm v/u: .375 ϕ : .0° T: 288.8 K



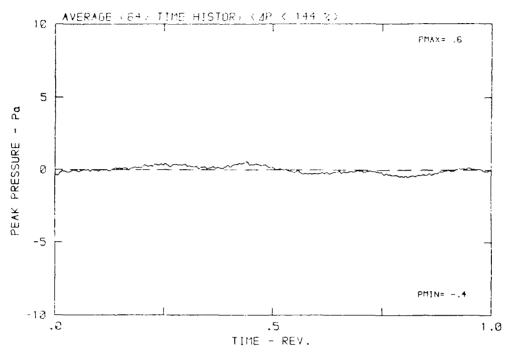


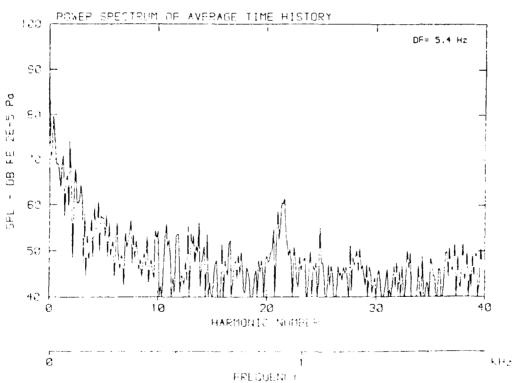
β: 24.4° MH: .4315 n: 1294 npm χ/u: .375 φ: .0° T: 288.8 K



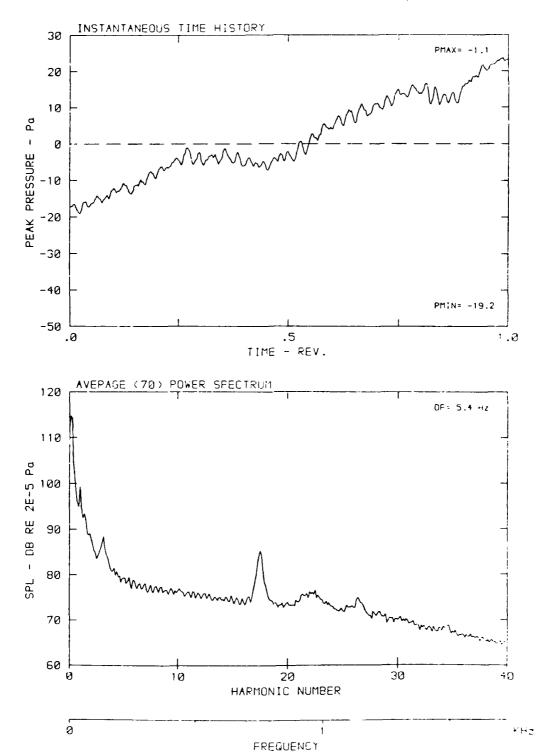


 $\beta\colon\ 24.4^{\circ}\ \text{MH}\colon\ .4315$ n: 1294 npm v/u: .375 $\varphi\colon\ .0^{\circ}\ \text{T: 288.8}\ \text{K}$

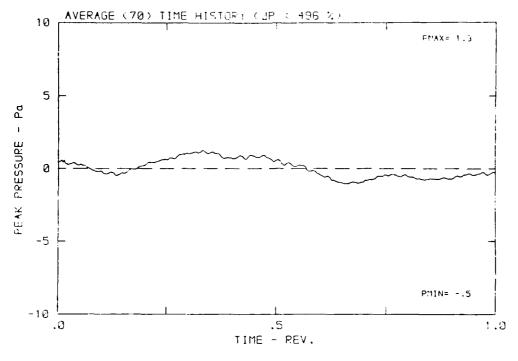


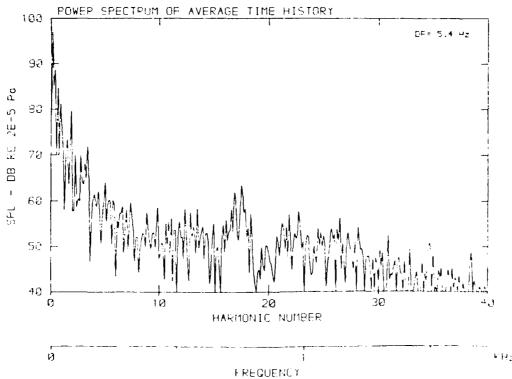


β: 24.4° MH: .4315 n: 1294 rpm γ/u: .375 φ: .8° T: 288.8 K



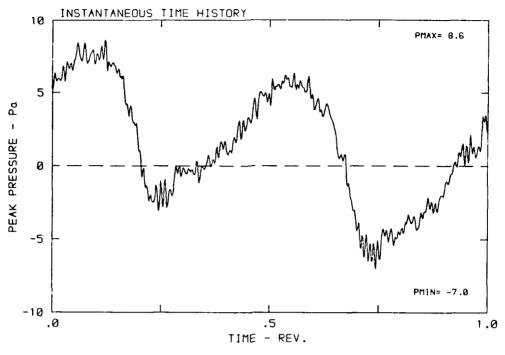
 $\beta\colon 24.4^{o}$ MH: .4315 n: 1294 npm v/u: .375 $\varphi\colon .0^{o}$ T: 288.8 K

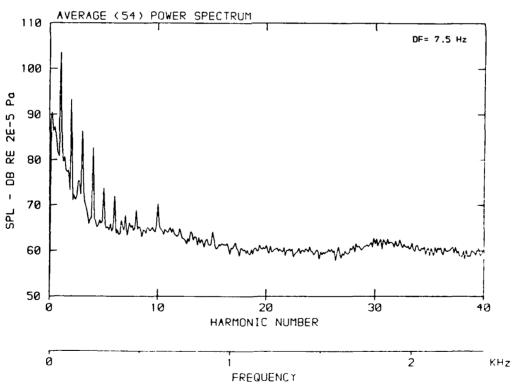




DATA POINT: DC-1 RUN: 115 MP: 1

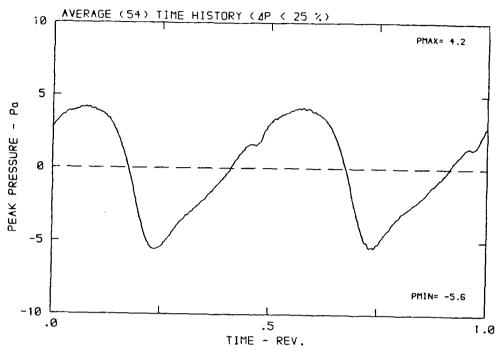
 β : 29.5° MH: .5765 n: 1800 rpm v/u: .228 ϕ : .0° T: 288.8 K

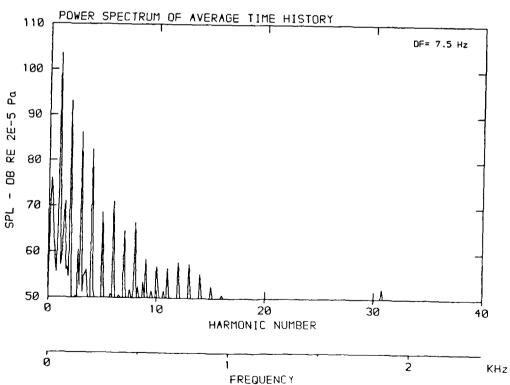


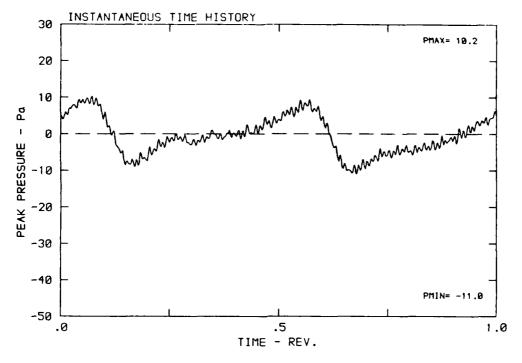


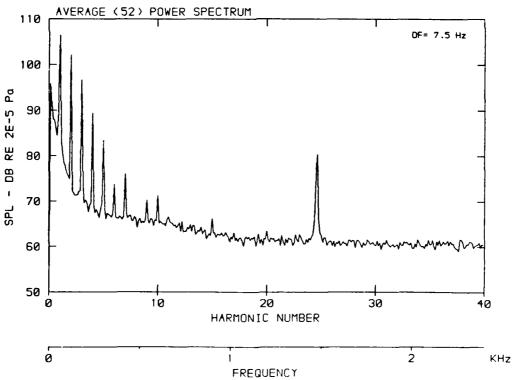
DATA POINT: DC-1 RUN: 115 MP: 1

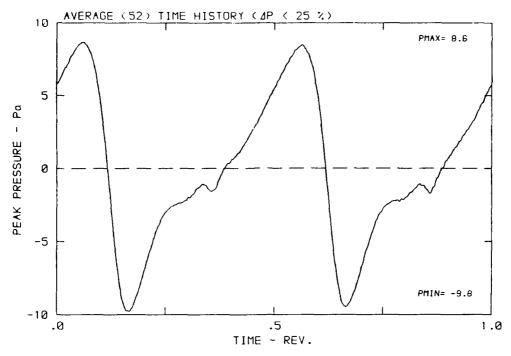
 $\beta\colon\,29.5^{\circ}\,$ MH: .5765 n: 1800 rpm v/u: .228 $\varphi\colon\,.0^{\circ}\,$ T: 288.8 K

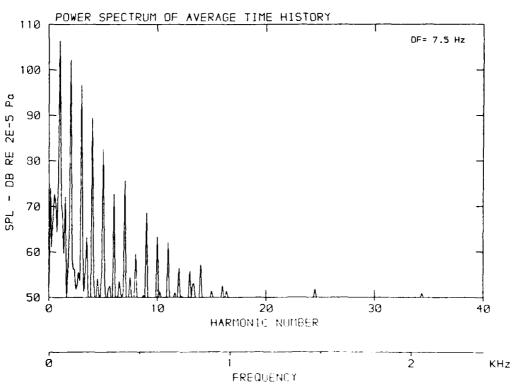




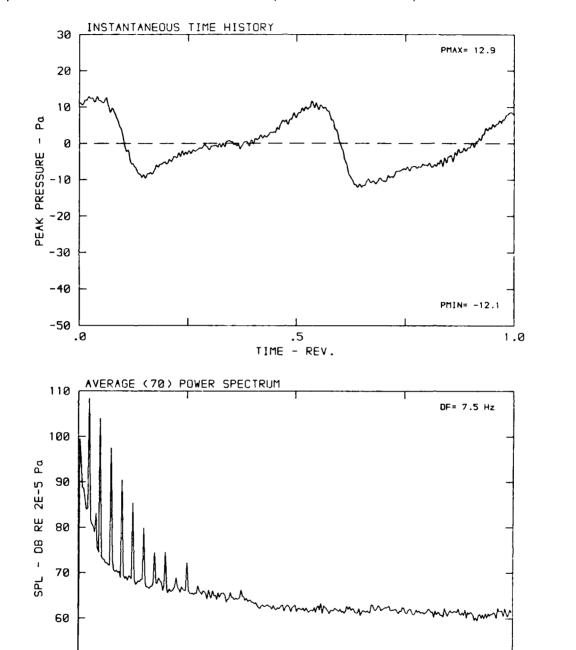








 $β: 29.5^{\circ}$ MH: .5765 n: 1800 rpm v/u: .228 φ: .0° T: 288.8 K



20

HARMONIC NUMBER

FREQUENCY

30

2

40

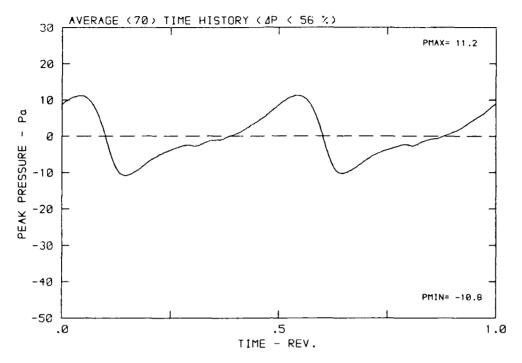
KHz

50

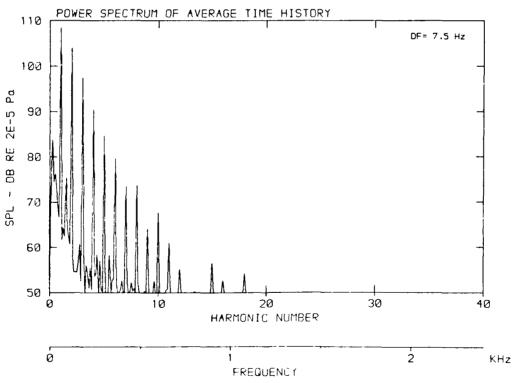
ø

10

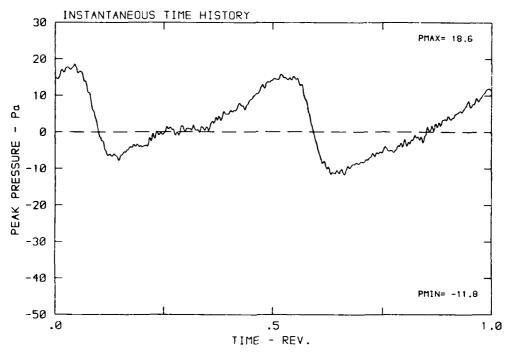
 β : 29.5° MH: .5765 n: 1800 rpm v/u: .228 ϕ : .0° T: 288.8 K

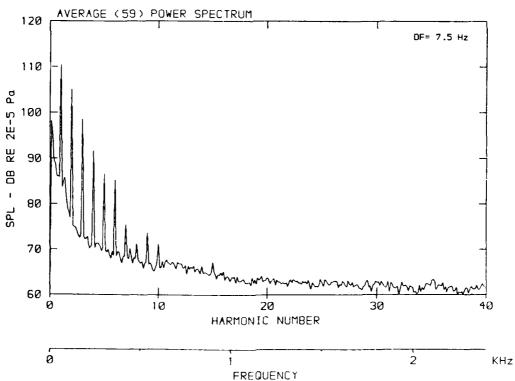


SSSESSA REPRESENTATION OF THE PROPERTY OF THE

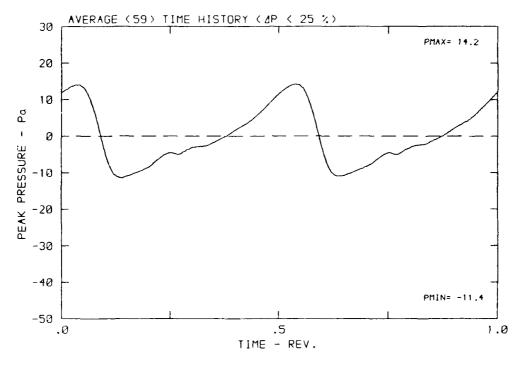


 $β: 29.5^{\circ}$ MH: .5765 n: 1800 rpm v/u: .228 φ: .0° T: 288.8 K

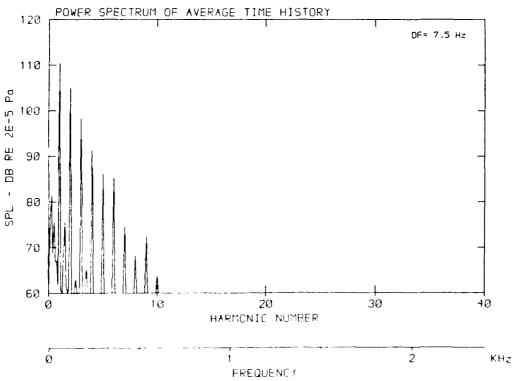


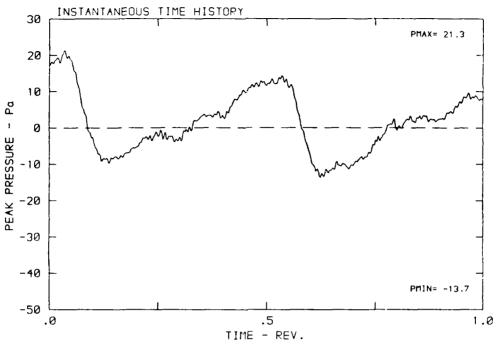


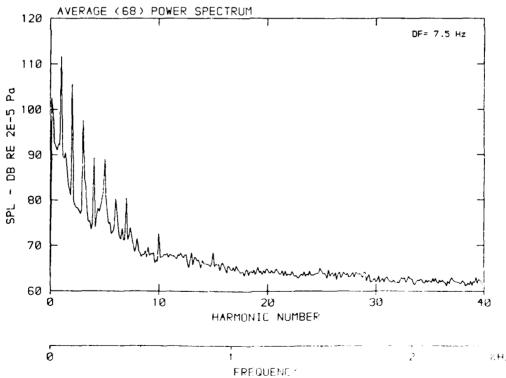
 β : 29.5° MH: .5765 n: 1800 rpm v/u: .228 ϕ : .0° T: 288.8 K



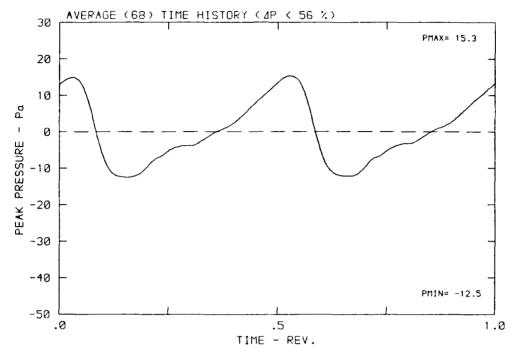
250 x 200 x



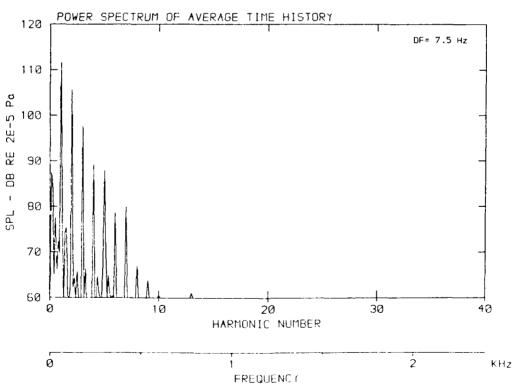


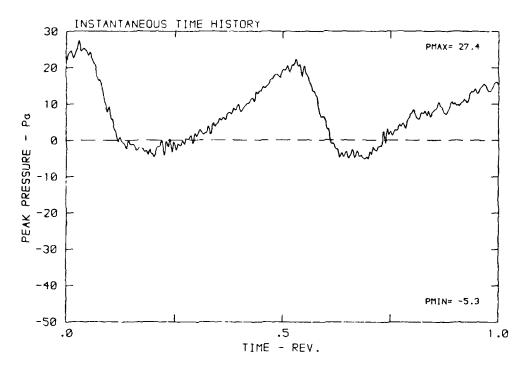


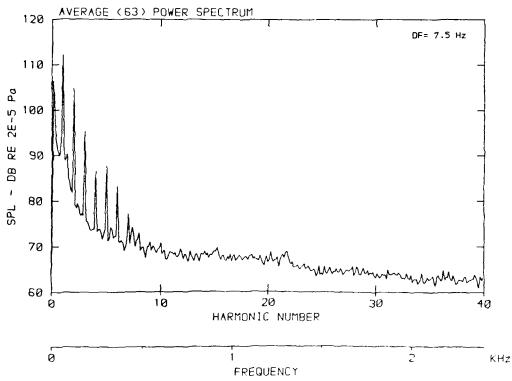
 β : 29.5° MH: .5765 n: 1800 rpm v/u: .228 ϕ : .0° T: 288.8 K



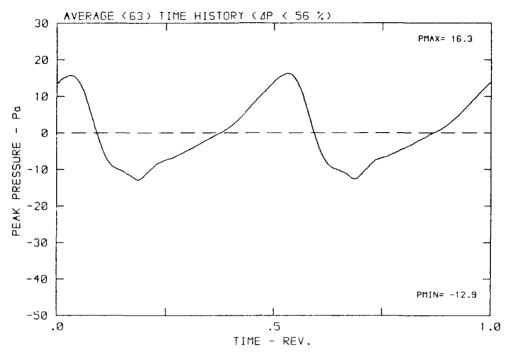
CONTRACTOR SOCIETY SOCIETY SOCIETY SOCIETY

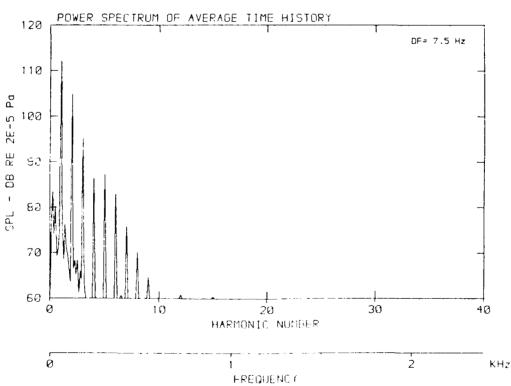


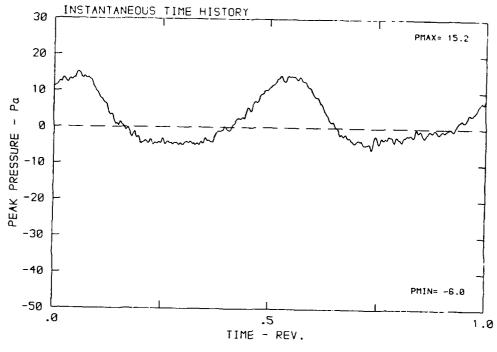


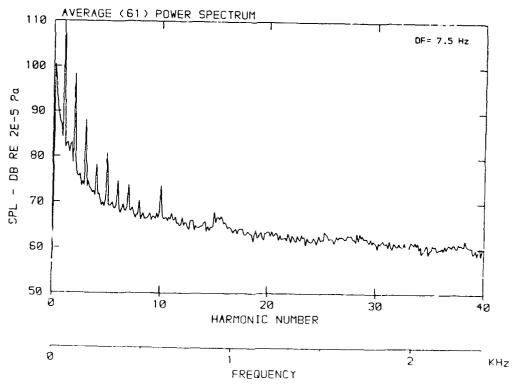


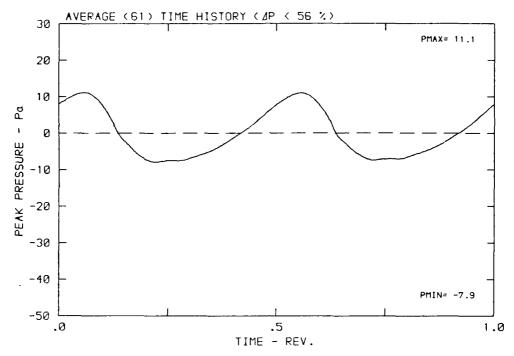
 $\beta\colon\thinspace 29.5^{\circ}$ MH: .5765 n: 1800 rpm v/u: .228 $\varphi\colon\:.0^{\circ}$ T: 288.8 K

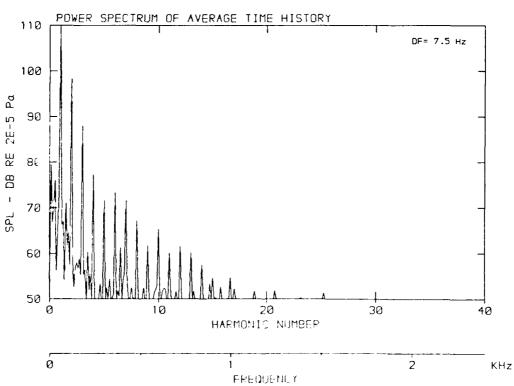


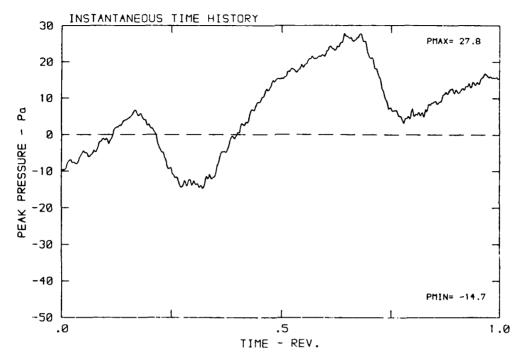


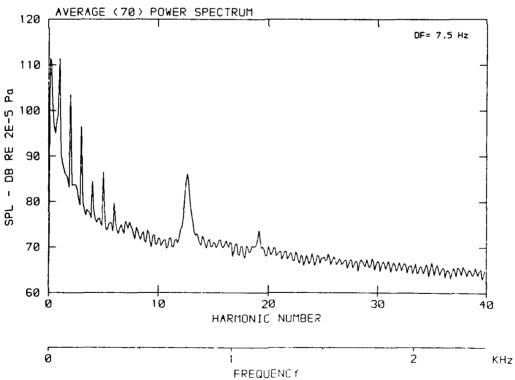




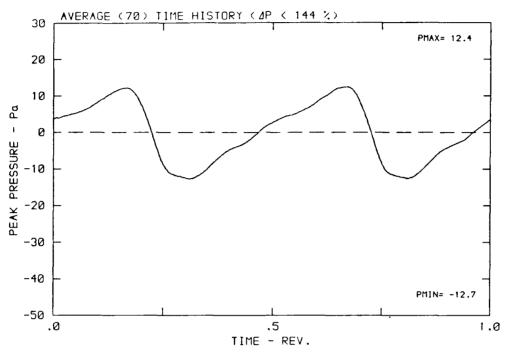


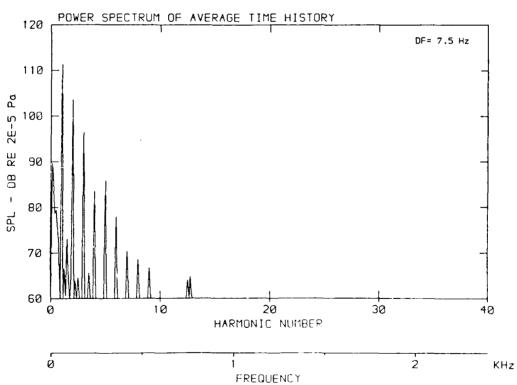


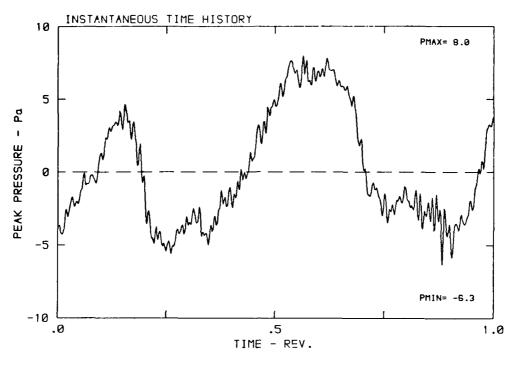


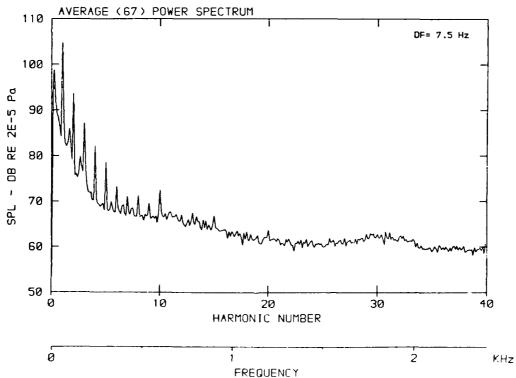


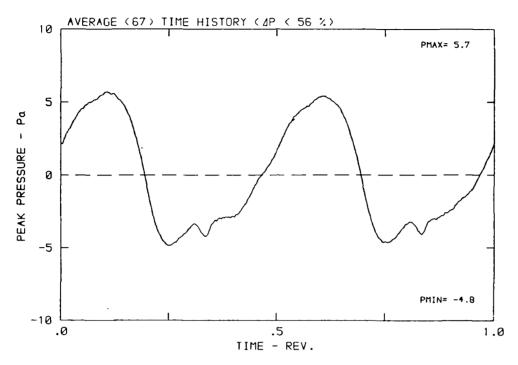
β: 29.5° MH: .5765 n: 1800 rpm v/u: .228 φ: .0° T: 288.8 K

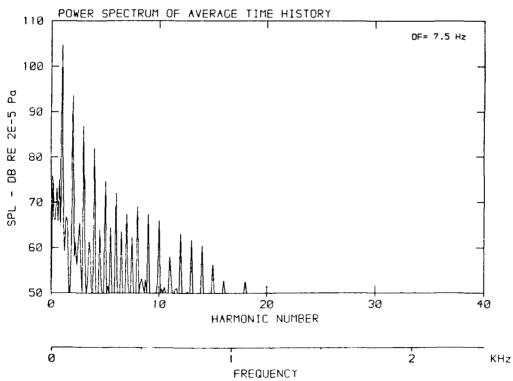


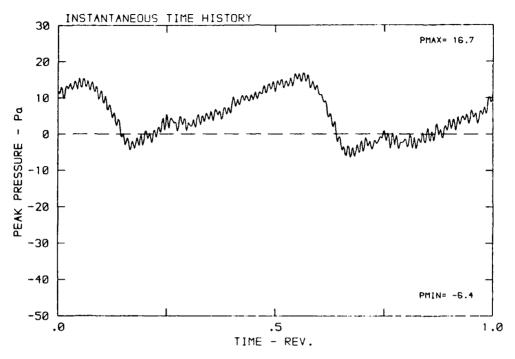


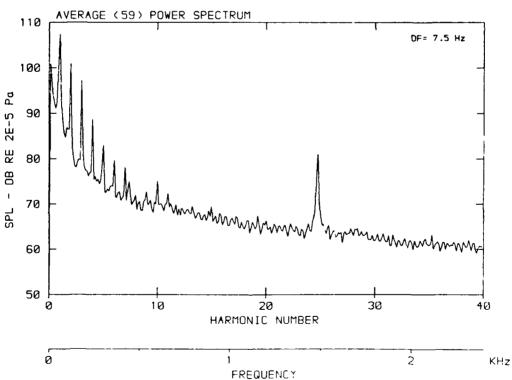


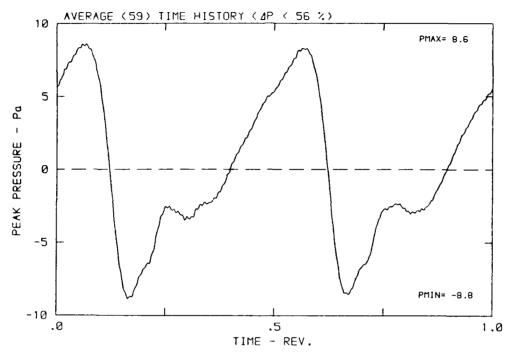


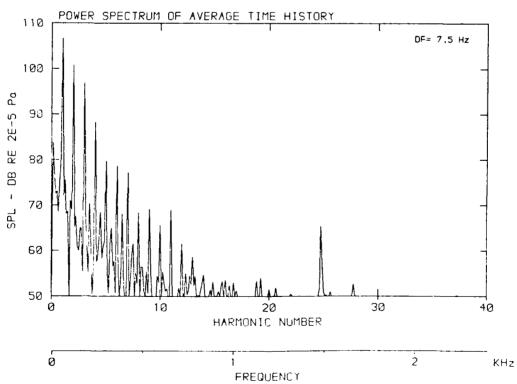




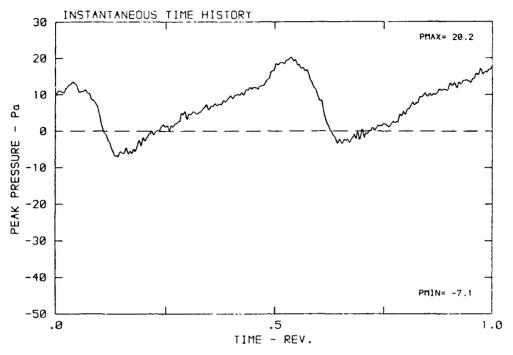




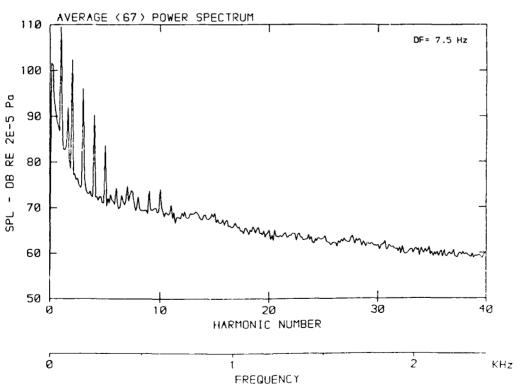




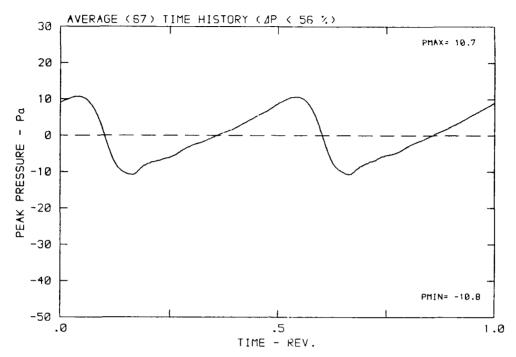
 $\beta\colon\,29.5^{\circ}\,$ MH: .5825 n: 1800 rpm v/u: .268 $\varphi\colon\,.0^{\circ}\,$ T: 283.2 K

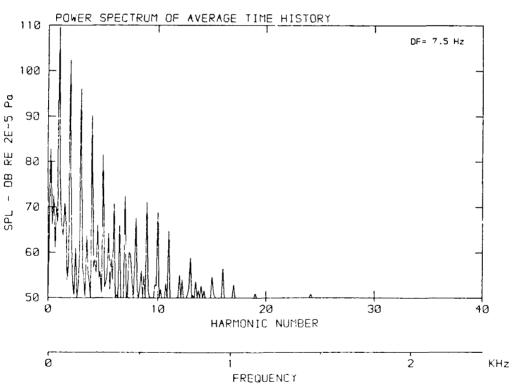


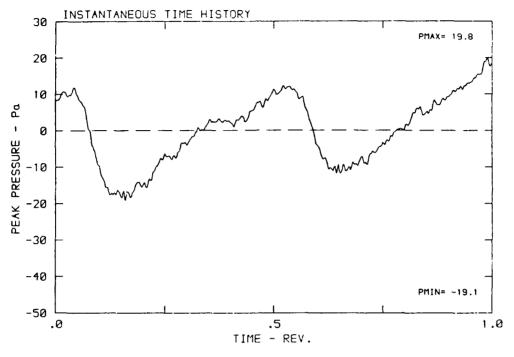
RECECUTE CONTROL CONTR

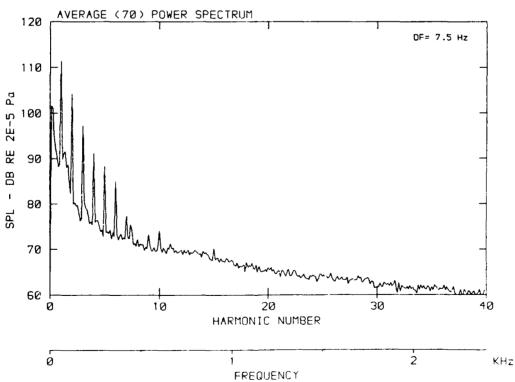


 $\beta\colon\,29.5^{\circ}\,$ MH: .5825 n: 1800 rpm v/u: .268 $\varphi\colon\,.0^{\circ}\,$ T: 288.2 K

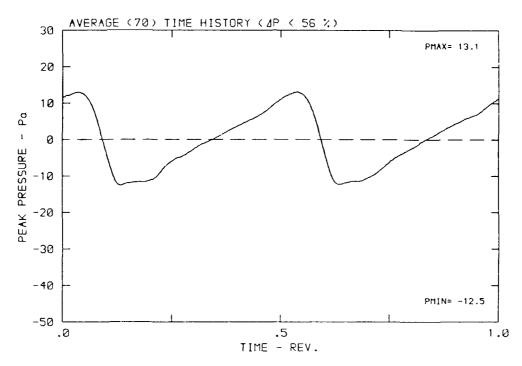


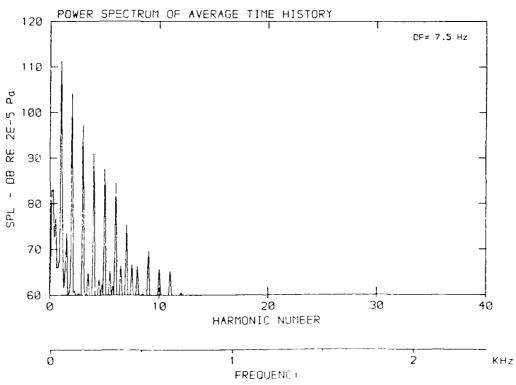




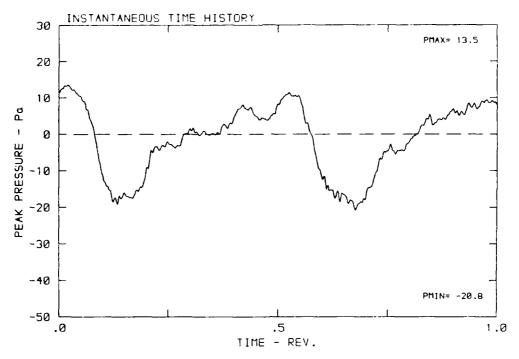


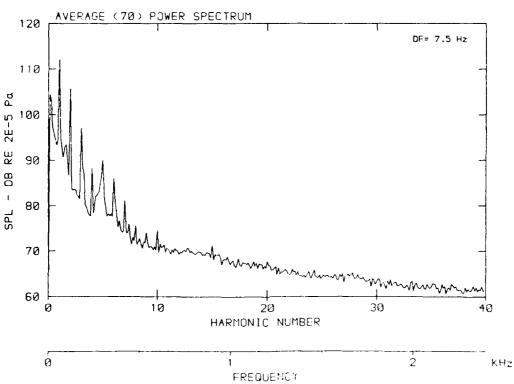
 β : 29.5° MH: .5825 n: 1800 rpm v/u: .268 ϕ : .0° T: 288.2 K



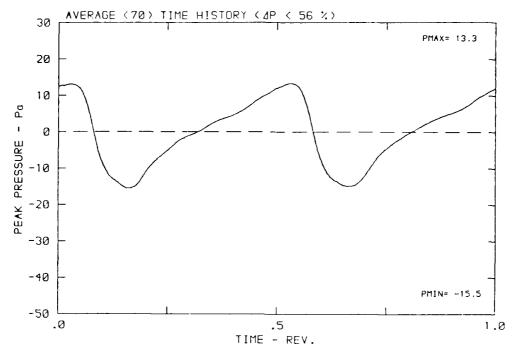


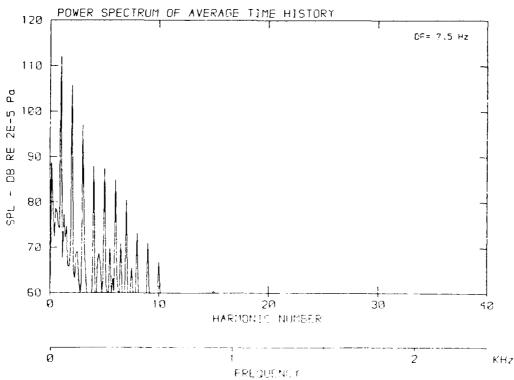
PRINCIPLE RECERRED BONDON MANAGEMENT



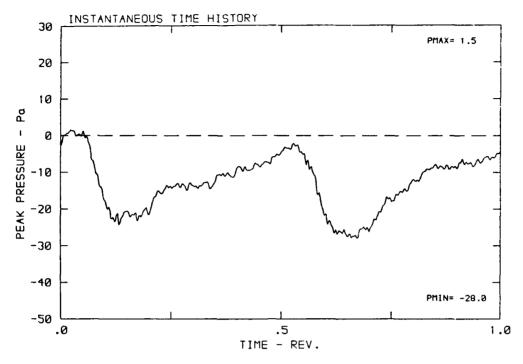


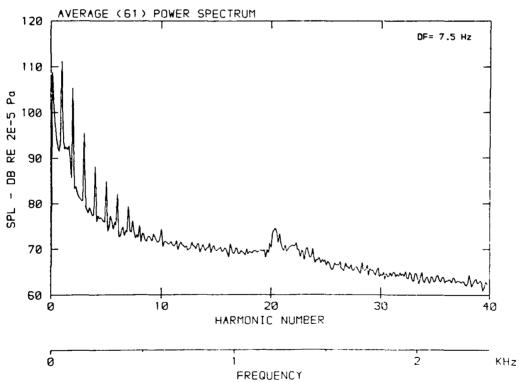
 $\beta\colon\,29.5^{\circ}\,$ MH: .5825 n: 1800 rpm $\,$ v/u: .268 $\,$ $\varphi\colon\,.0^{\circ}\,$ T: 288.2 K



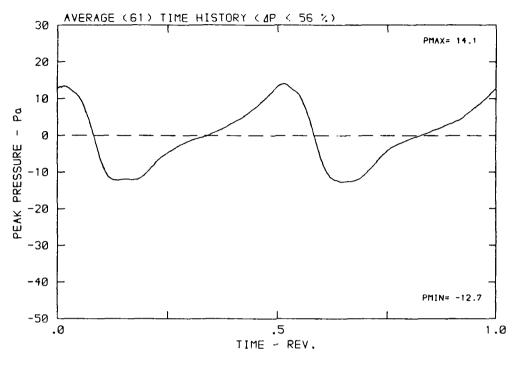


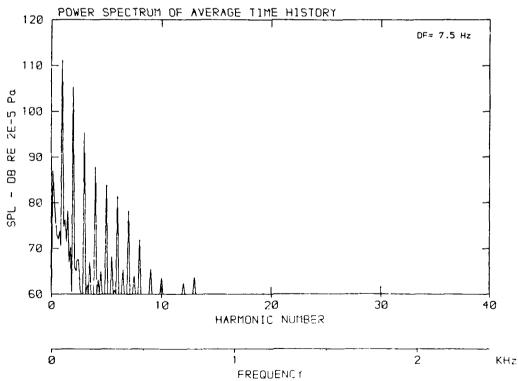
 $\beta\colon\,29.5^{\circ}\,$ MH: .5825 n: 1800 rpm v/u: .268 $\varphi\colon\,.0^{\circ}\,$ T: 288.2 K

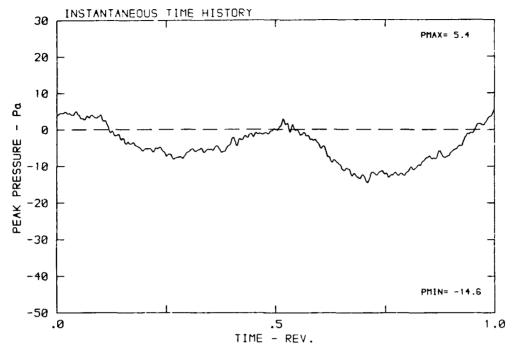


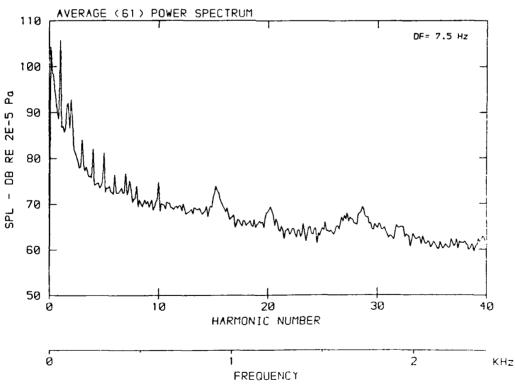


 $\beta\colon\,29.5^{\circ}\,$ MH: .5825 n: 1800 rpm v/u: .268 $\varphi\colon\,.0^{\circ}\,$ T: 288.2 K

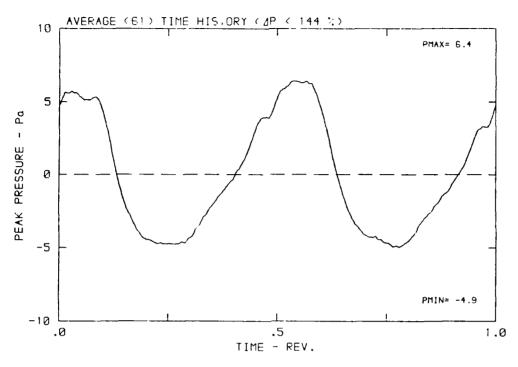


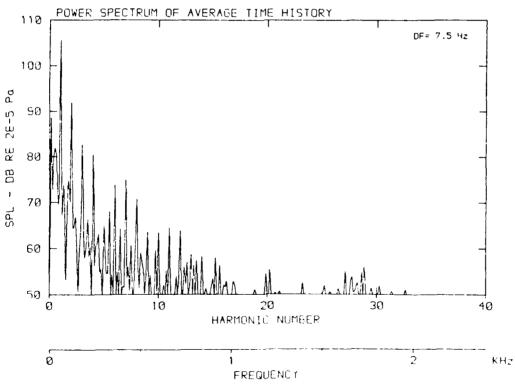






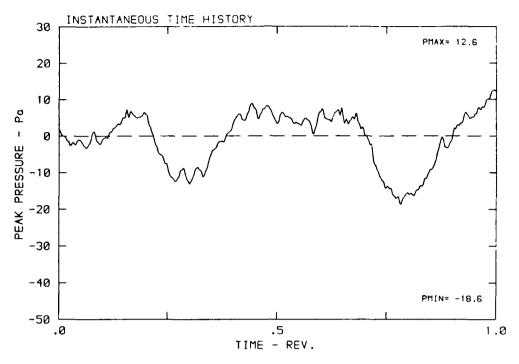
 $β: 29.5^{\circ}$ MH: .5825 n: 1800 rpm v/u: .268 $φ: .0^{\circ}$ T: 288.2 K

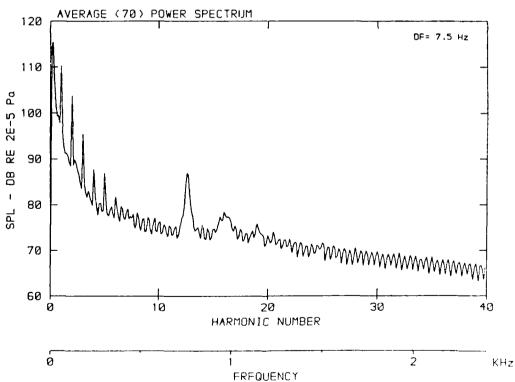


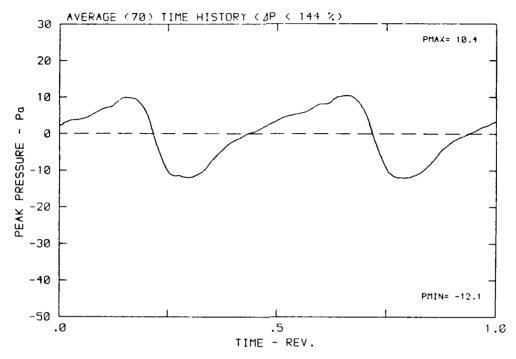


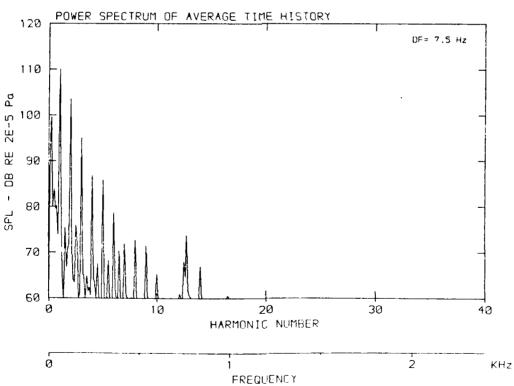
proposite appropriate freezerent strates etc.

 $β: 29.5^{\circ}$ MH: .5825 n: 1800 rpm v/u: .268 φ: .0° T: 288.2 K

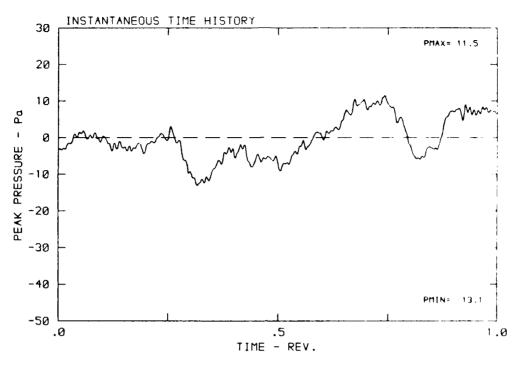


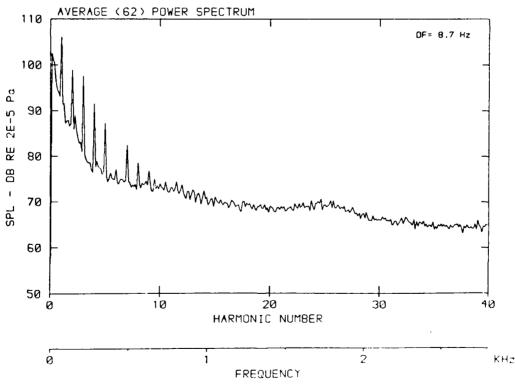




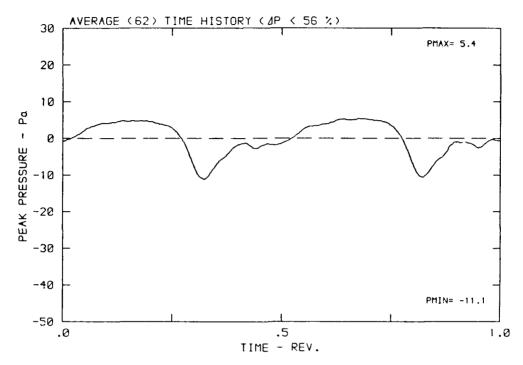


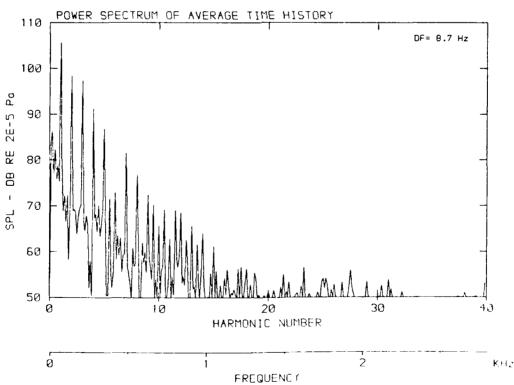
 β : 29.5° MH: .6841 n: 2100 npm v/u: .299 ϕ : .0° T: 289.2 K



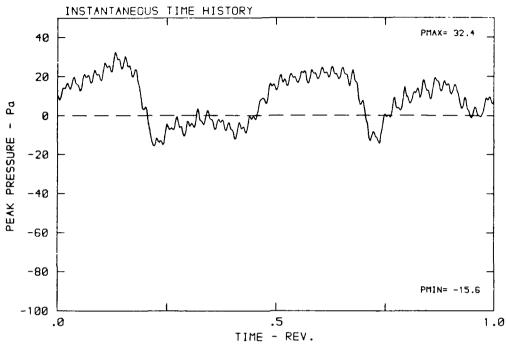


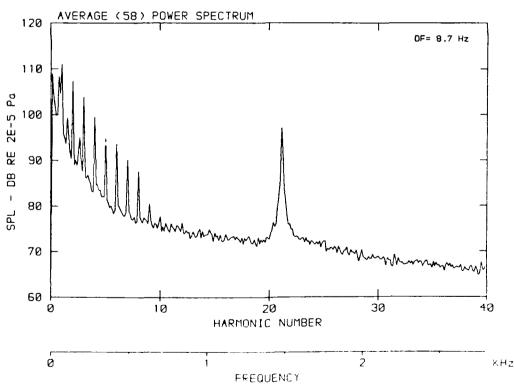
 $\beta\colon\,29.5^{\circ}\,$ MH: .6841 n: 2100 rpm v/u: .299 $\varphi\colon\,.0^{\circ}\,$ T: 289.2 K



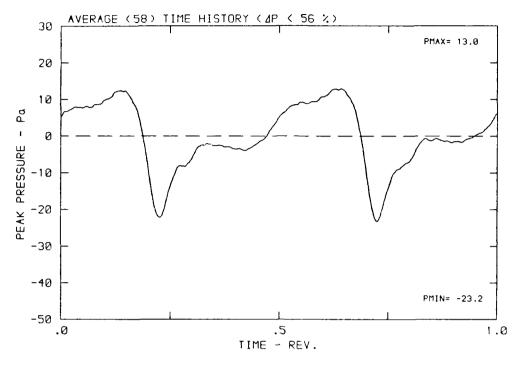


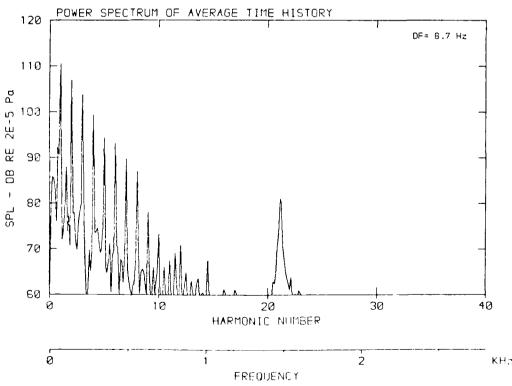
 $β: 29.5^{\circ}$ MH: .6841 n: 2100 rpm v/u: .299 φ: .0° T: 289.2 ∀



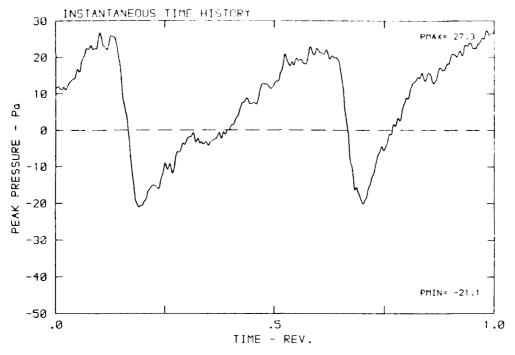


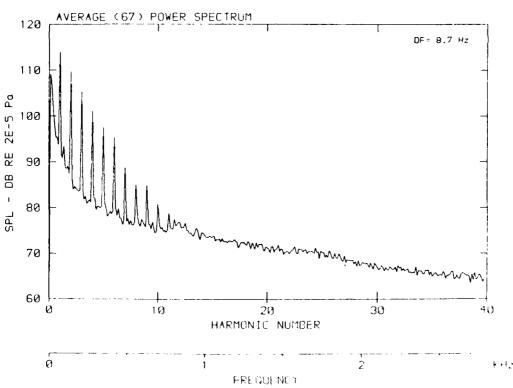
 β : 29.5° MH: .6841 n: 2100 rpm v/u: .299 ϕ : .0° T: 289.2 K



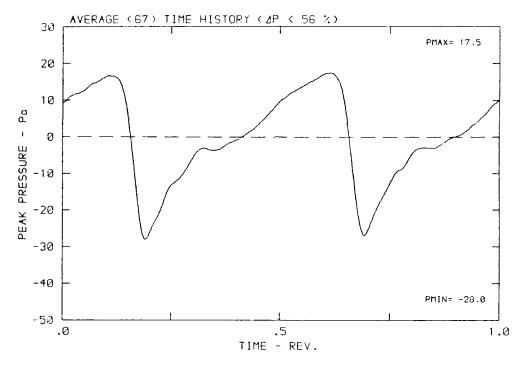


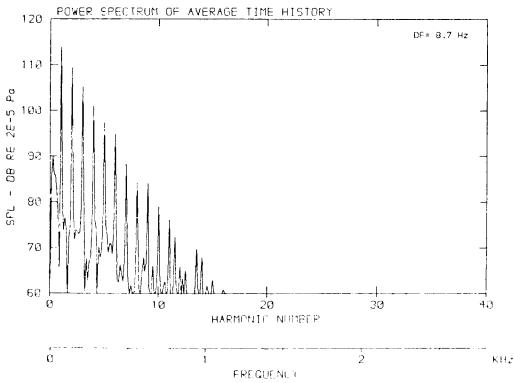
 $\beta: 29.5^{\circ}$ MH: .6841 n: 2100 npm viu: .799 $\phi: .0^{\circ}$ T: 289.2 K



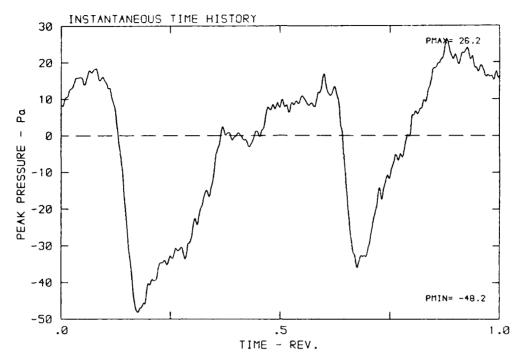


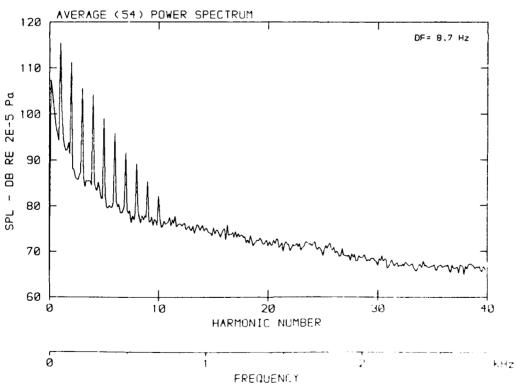
 β : 29.5° MH: .6841 n: 2100 rpm v/u: .299 ϕ : .0° T: 289.2 K



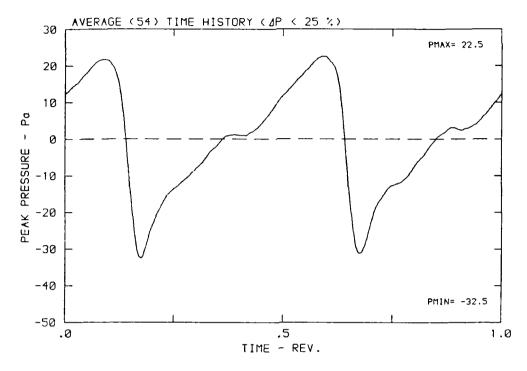


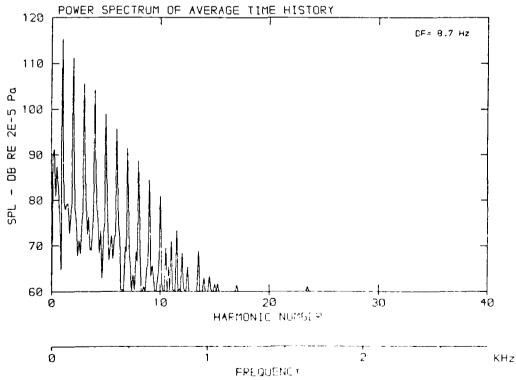
 $β: 29.5^{\circ}$ MH: .6841 n: 2100 rpm v/u: .299 φ: .0° T: 289.2 K



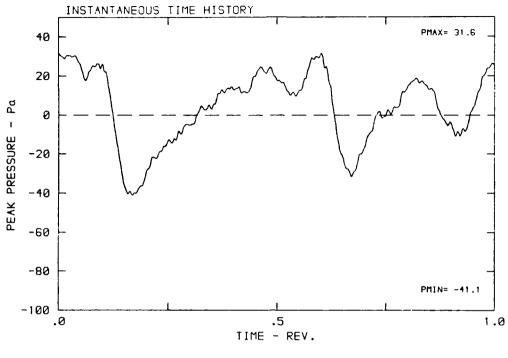


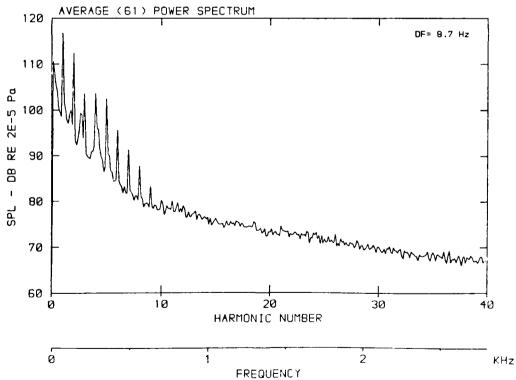
 β : 29.5° MH: .6841 n: 2100 rpm v/u: .299 ϕ : .0° T: 289.2 K



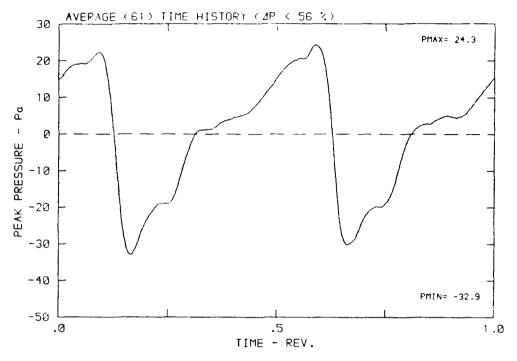


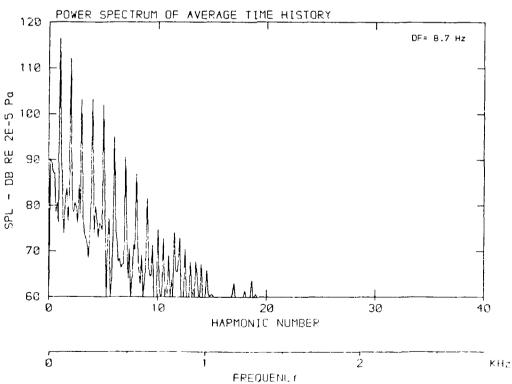
 β : 29.5° MH: .8841 n: 2100 rpm v/u: .299 ϕ : .0° T: 289.2 K



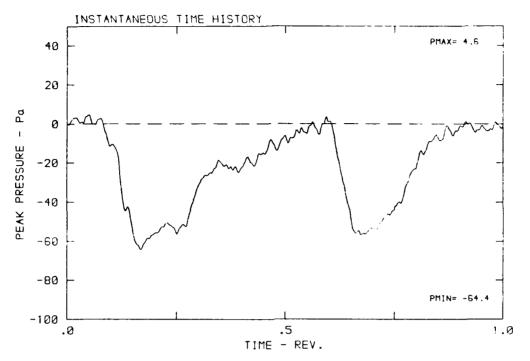


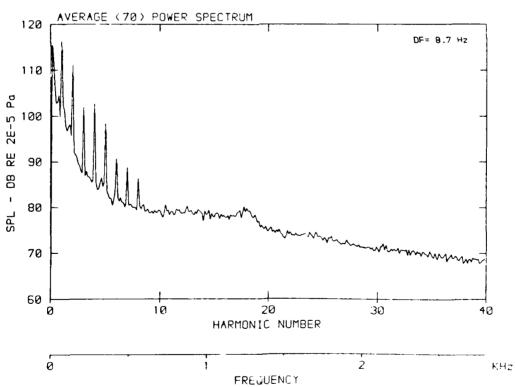
 β : 29.5° MH: .6841 n: 2100 rpm v/u: .299 ϕ : .0° T: 289.2 K



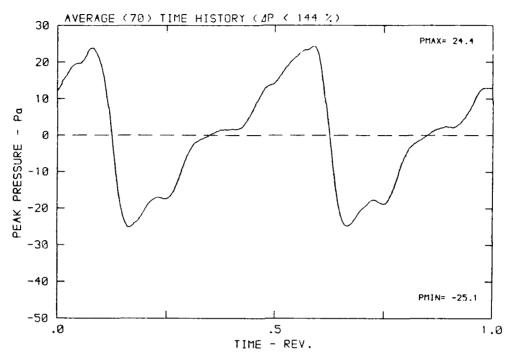


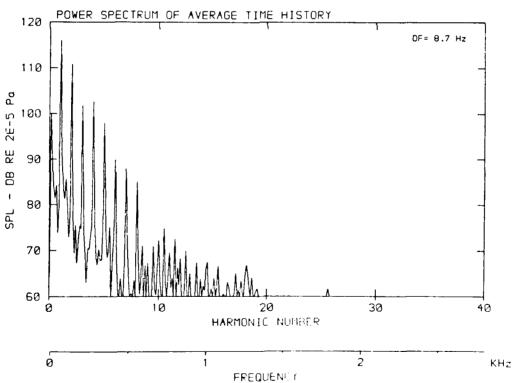
β: 29.5° MH: .6841 n: 2100 rpm v/u: .299 φ: .0° T: 289.2 K





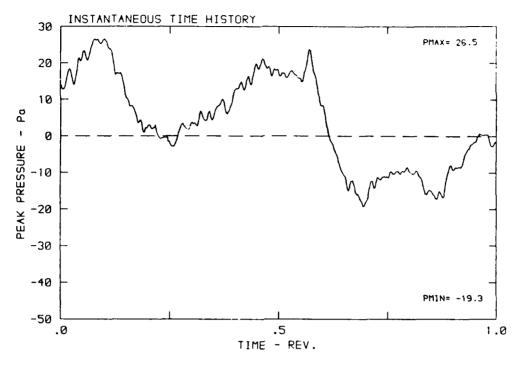
 β : 29.5° MH: .6841 n: 2100 rpm v/u: .299 ϕ : .0° T: 289.2 K

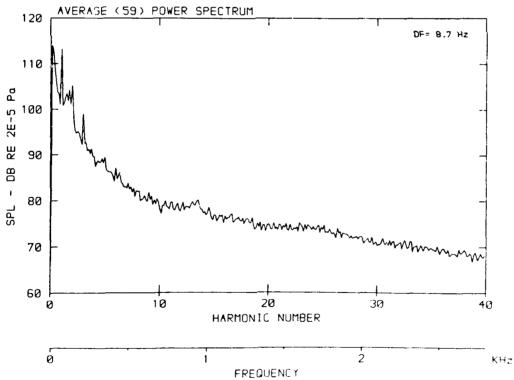




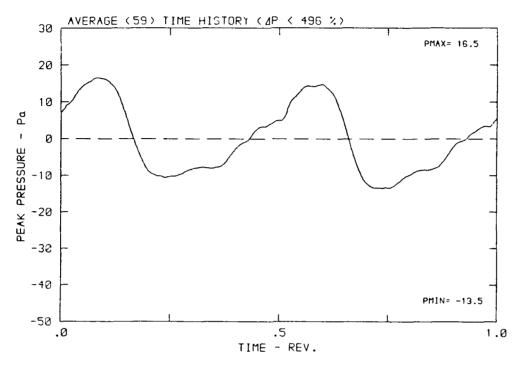
acceptate acceptated responses involves research

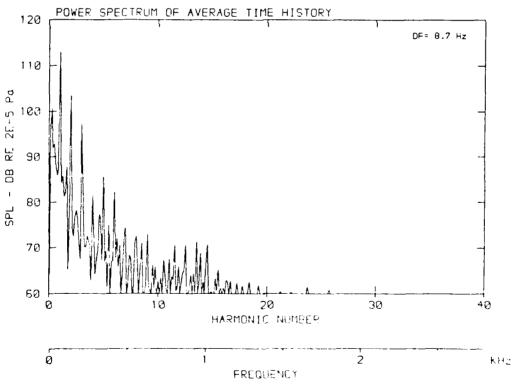
 $β: 29.5^{\circ}$ MH: .6841 n: 2100 rpm V/U: .299 $ψ: .0^{\circ}$ T: 269.2 K



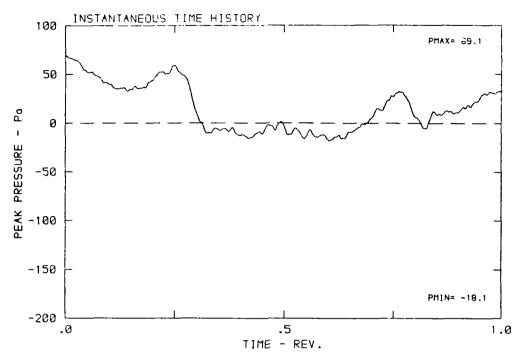


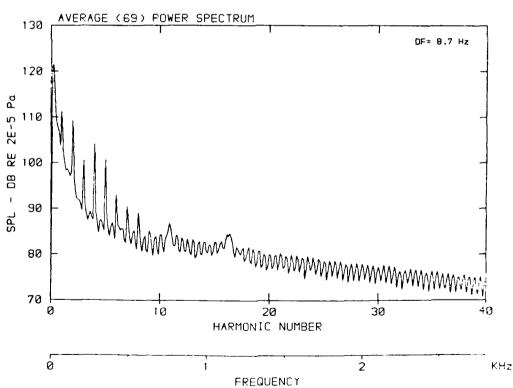
 $\beta\colon\,29.5^{\circ}\,$ MH: .6841 n: 2100 rpm v/u: .299 $\varphi\colon\,.0^{\circ}\,$ T: 289.2 K



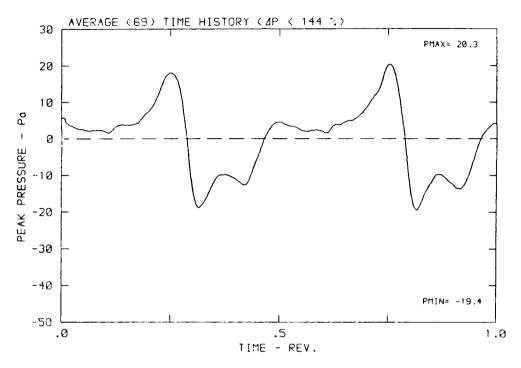


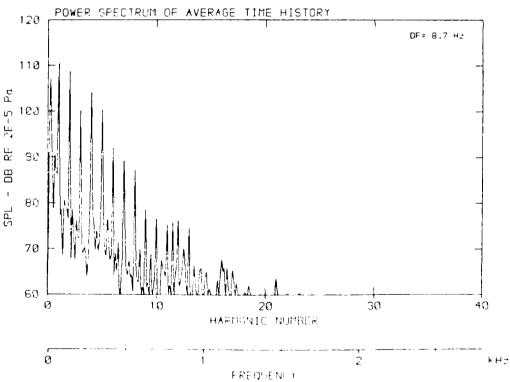
β: 29.5° MH: .6841 n: 2100 npm ν/u: .299 φ: .0° T: 289.2 K



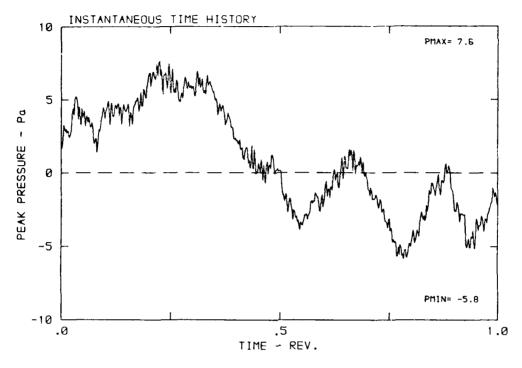


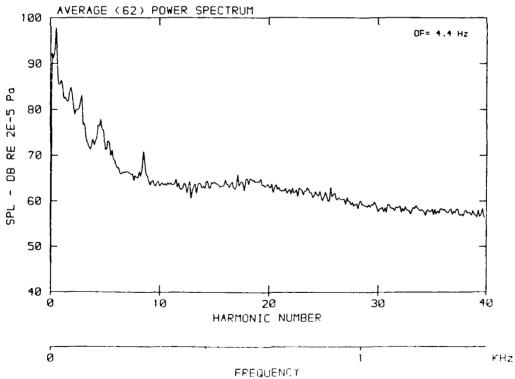
 β : 29.5° MH: .6841 n: 2100 rpm v/u: .299 ϕ : .0° T: 289.2 K



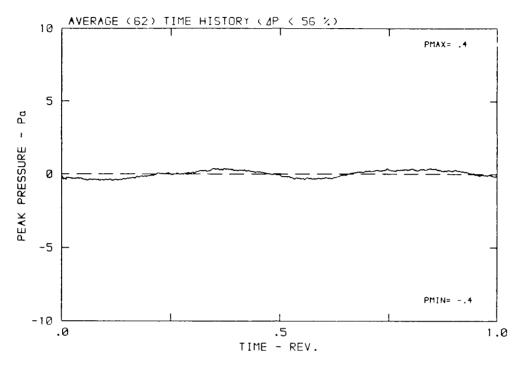


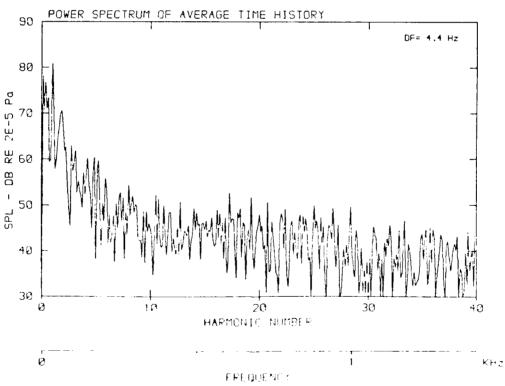
 $β: 29.5^{\circ}$ MH: .3622 n: 1055 rpm v/u: .455 φ: .0° T: 288.5 K



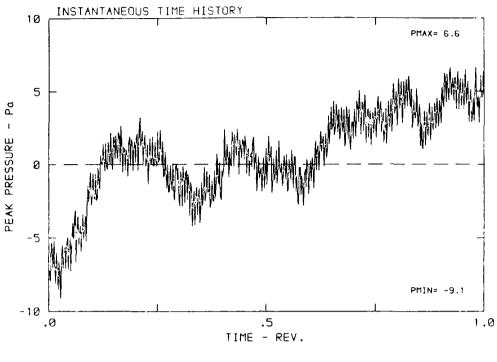


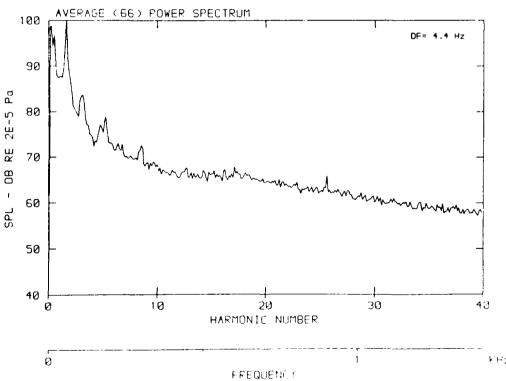
 $β: 29.5^{\circ}$ MH: .3622 n: 1055 rpm v/u: .455 φ: .0° T: 288.5 K

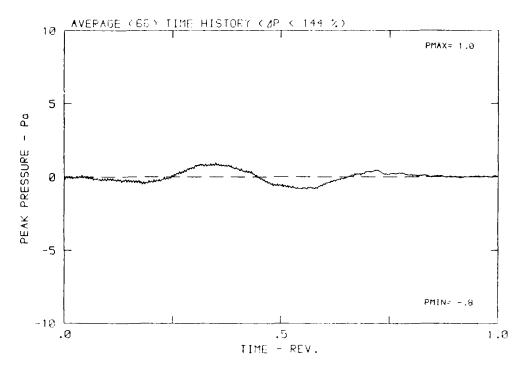


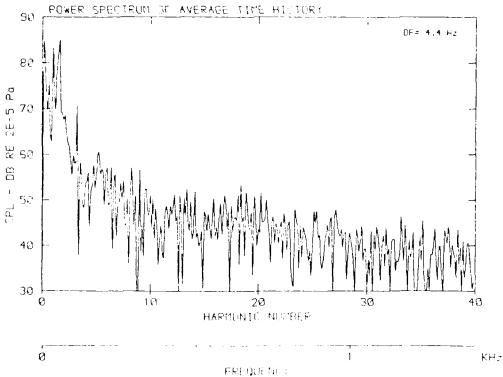


 $\beta\colon\thinspace 29.5^{\circ}$ MH: .3622 n: 1055 rpm v/u: .455 $\varphi\colon\:.0^{\circ}$ T: 288.5 K

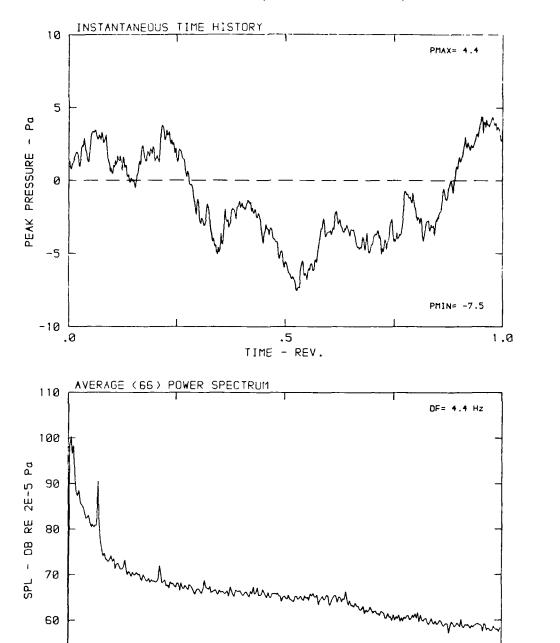








 β : 29.5° MH: .3622 n: 1055 npm v/u: .455 ϕ : .0° T: 288.5 K



20 HARMONIC NUMBER

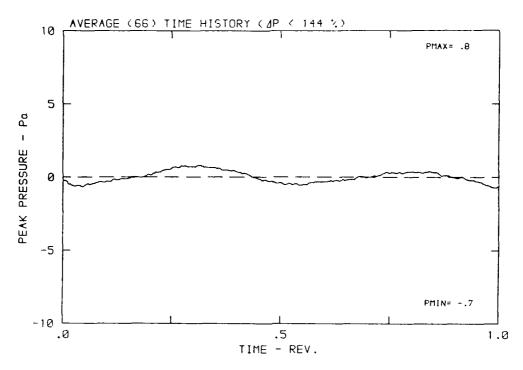
FREQUENCY

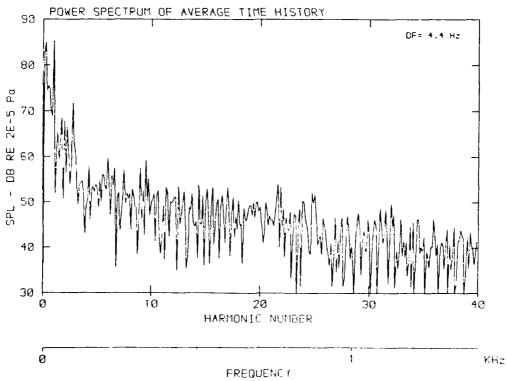
30

YHz

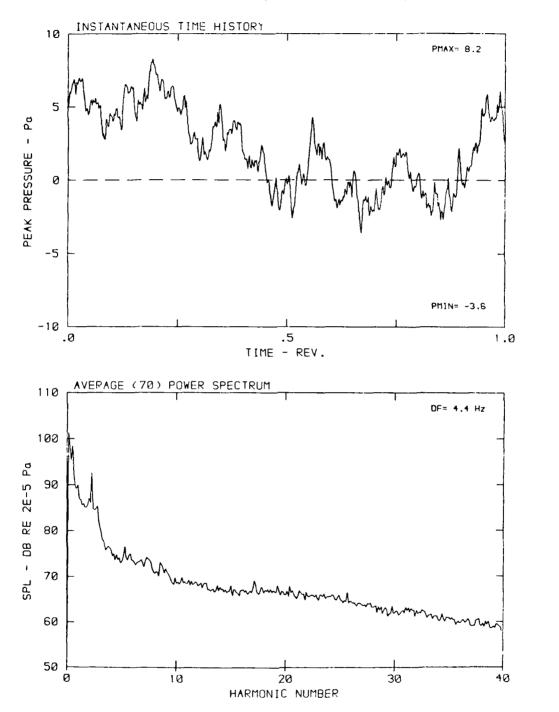
50

10



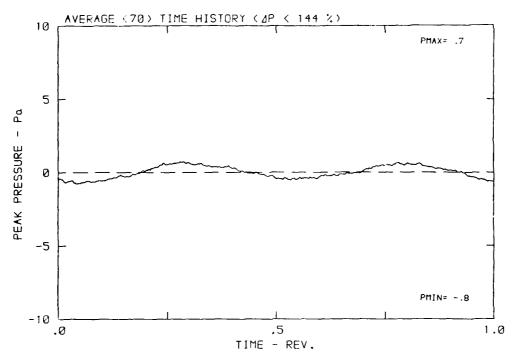


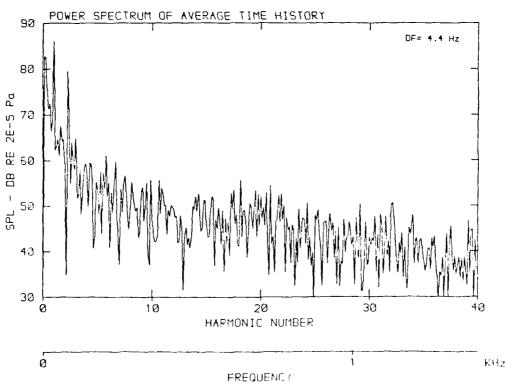
 β : 29.5° MH: .3622 n: 1055 rpm v/u: .455 ϕ : .0° T: 288.5 K



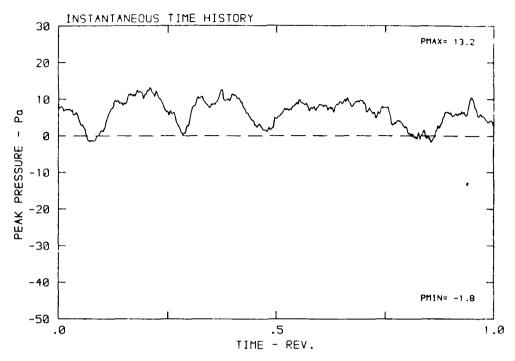
FREQUENCY

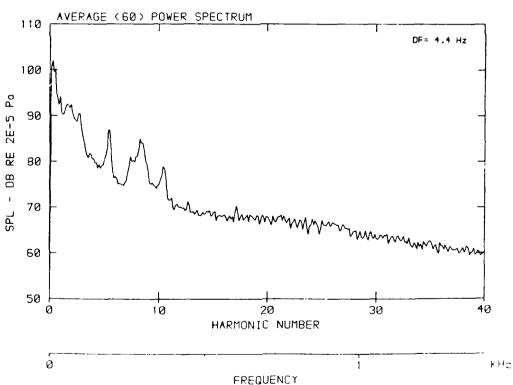
KRz

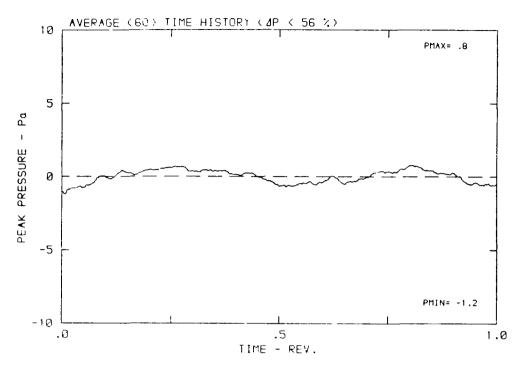


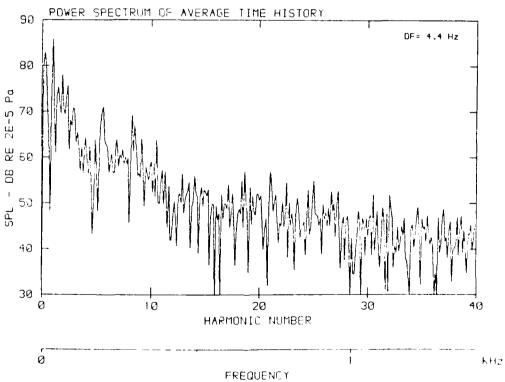


β: 29.5° MH: .3622 n: 1055 rpm V/U: .455 φ: .0° T: 288.5 K



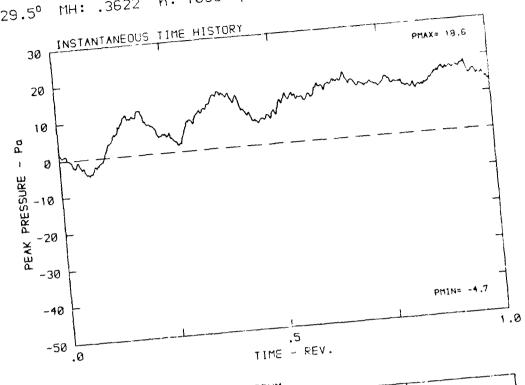


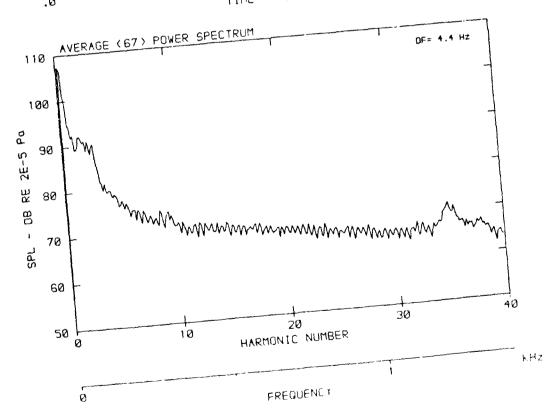




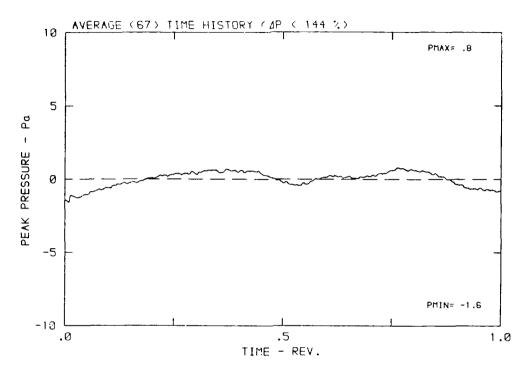
RUN: POINT: DC-4 .0°

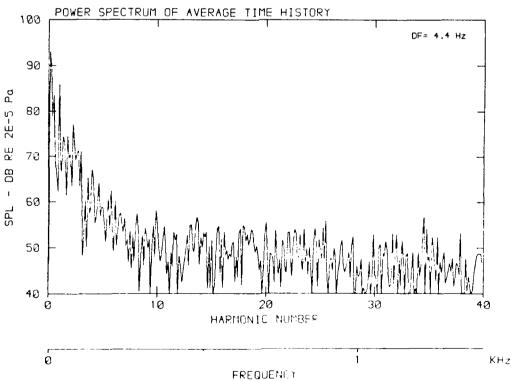
MH: .3622 n: 1055 rpm v/u: .455 $\beta: 29.5^{\circ}$



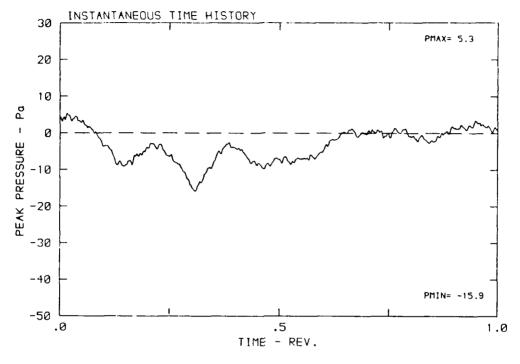


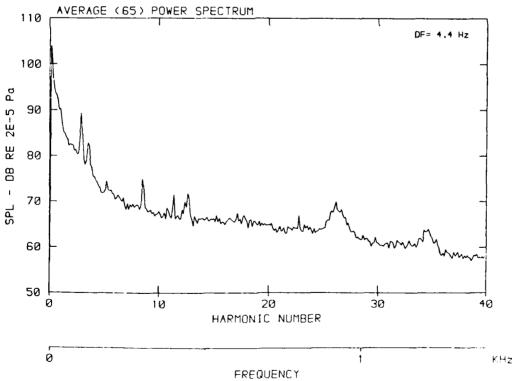
 β : 29.5° MH: .3622 n: 1055 rpm v/u: .455 ϕ : .0° T: 288.5 K

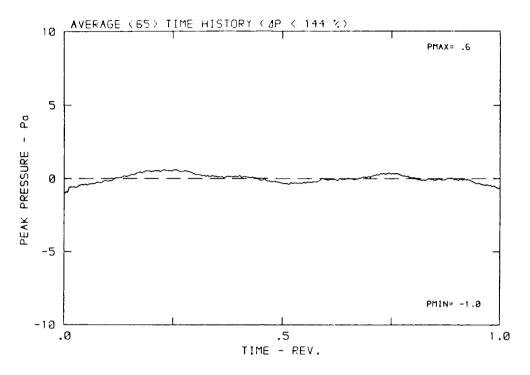


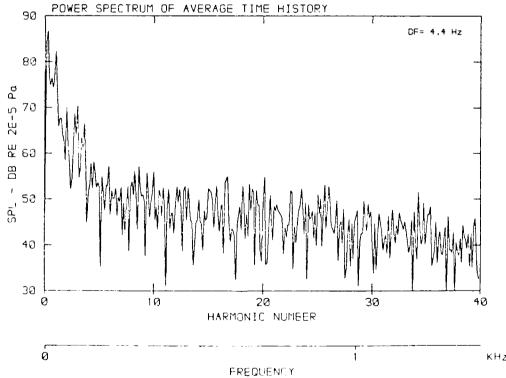


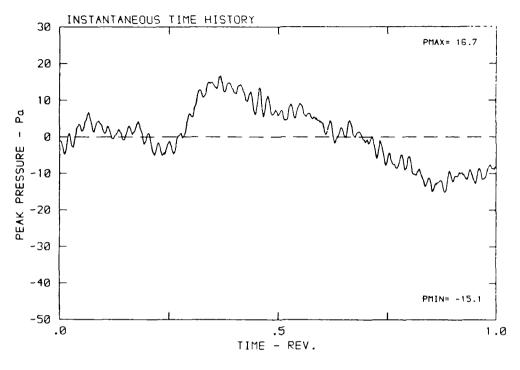
 $β: 29.5^{\circ}$ MH: .3622 n: 1055 rpm v/u: .455 $φ: .0^{\circ}$ T: 288.5 K

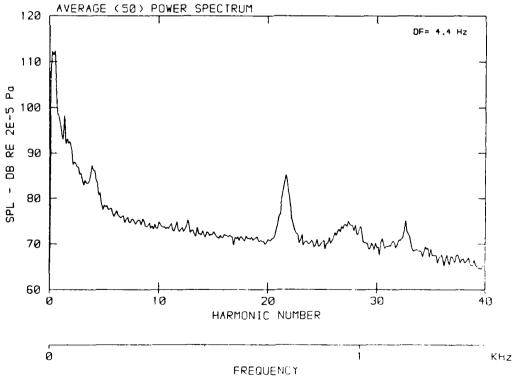


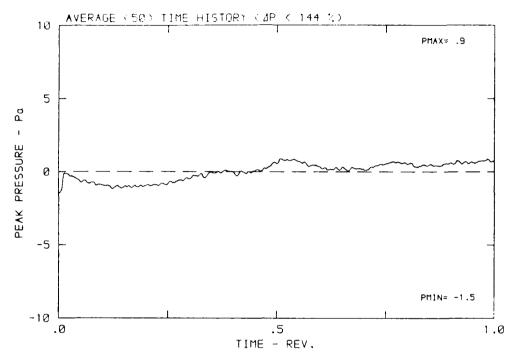


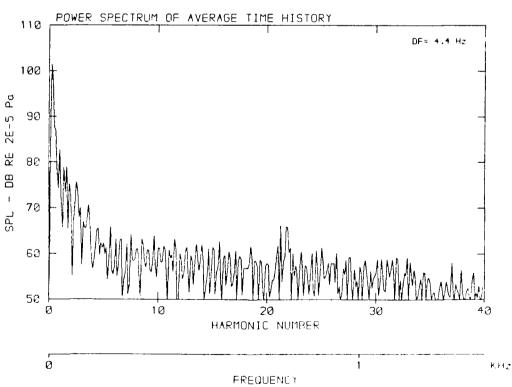












6. Propeller Rotational Harmonic Noise- and Overall Noise Levels

From all spectra of averaged time-histories the harmonic pressure levels are determined under the presupposition of a 10 dB signal-to-noise ratio, and are submitted to the A-weighting function. Both linear and A-weighted harmonic levels as well as the respective overall pressure levels (calculated from the energy sum of harmonic levels) are listed in the following tables.

MICROPHONE: MP 1 (PITCH ANGLE: 21.6 DEG)

	+ !	DATA-POINT / RUN										
+	AC	-1 /	85 +	AC	-2 /	84	AC	-3 /	83 			
HN	F	SPL	SPLA	F	SPL	SPLA	ļ F	SPL	SPLA			
1		103.0	76.8		107.6	85.1	•	114.2	95.1			
:	140.0	94.4	•	160.0	104.7	91.3	•	1111.8	100.9			
!	210.0	93.5	•	240.0	103.3	94.7	•	1112.8	104.2 106.0			
4	280.0	87.8	79.2 73.2	320.0	100.8 99.4	94.2 94.6	360.0 450.0	110.8 109.4	: :			
5	350.0 420.0	79.8 76.8	72.0	400.0 480.0	93.4	90.2	540.0	109.4	106.2 100.9			
6 7	420.0	70.8	67.6	460.0	88.6	85.4	630.0	105.8	100.9			
/	560.0	67.9	64.7	640.0	87.3	85.4	720.0	105.5	105.7			
1 9	630.0	0.0	0.0	720.0	84.2	83.4	810.0	100.3	100.5			
10		0.0		800.0	78.9	78.1	900.0	:	101.9			
111	770.0	0.0	0.0	880.0	78.0	77.2	990.0	•	101.6			
1 12	840.0	0.0	0.0	960.0	68.2		1080.0	94.0	94.0			
13	910.0	0.0	•	1040.0	69.0		1170.0	94.1	94.7			
14	980.0	0.0	•	1120.0	0.0		1260.0	92.2	92.8			
•	1050.0	0.0		1200.0	0.0	•	1350.0	85.6	86.2			
	1120.0	0.0	:	1280.0	0.0	0.0	1440.0	86.8	87.8			
17	1190.0	0.0	0.0	1360.0	0.0	0.0	1530.0	80.1	81.1			
18	1260.0	0.0	0.0	1440.0	0.0	0.0	1620.0	85.3	86.3			
19	1330.0	0.0	0.0	1520.0	0.0	0.0	1710.0	85.3	86.3			
20	1400.0	0.0	0.0	1600.0	0.0	0.0	1800.0	81.7	82.9			
21	1470.0	0.0	0.0	1680.0	0.0	0.0	1890.0	79.0	80.2			
22	1540.0	0.0	•	1760.0	0.0	•	1980.0	75.7	76.9			
•	1610.0	0.0	•	1840.0	0.0	•	2070.0	69.6	70.8			
•	1680.0	0.0	:	1920.0	0.0	:	2160.0	73.2	74.4			
•	1750.0	0.0	•	2000.0	0.0		2250.0	75.6	76.9			
•	11820.0	0.0		2080.0	0.0		2340.0	72.0	73.3			
•	1890.0	0.0		2160.0	0.0	: :	2430.0	70.9	72.2			
•	1960.0	0.0		2240.0	0.0		2520.0	55.2	56.5			
	2030.0	0.0	: :	2320.0	0.0		2610.0	0.0	0.0			
30 31	2100.0 2170.0	0.0 0.0		2400.0 2480.0	0.0 0.0		2700.0 2790.0	0.0 0.0	0.0 0.0			
•	21/0.0	•	•	12460.0	0.0		2880.0	•	٠,			
	2310.0			2640.0	0.0		2970.0		: :			
	2380.0			2720.0	0.0	:	3060.0	•	:			
•	2450.0			2800.0	0.0		3150.0	•	0.0			
•	2520.0			2880.0	0.0		3240.0	•	0.0			
•	2590.0	:	: :	2960.0	•		3330.0					
	2660.0			3040.0	•		3420.0	•	: :			
	2730.0	_		3120.0	•		3510.0	:	: :			
1 40	2800.0	0.0	0.0	3200.0	0.0	0.0	3600.0	0.0	0.0			
+	++			. +								
+				-+					++ 113.9			

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 2 (PITCH ANGLE: 21.6 DEG)

	+	DATA-POINT / RUN											
+	AC	-1 /	85 +	AC	G-2 /	84	AC	-3 / +	83 				
HN	[SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA				
1 1	• •	105.6	79.4	80.0	109.2	86.7		114.9	95.8				
•	• •	102.5	86.4	160.0	109.6		180.0	•	108.3				
	210.0	99.9		1 240.0	1107.1		270.0	•	106.3				
•	280.0	96.1	87.5	320.0 400.0	103.8	97.2	360.0 450.0	•	113.2 112.6				
	350.0 420.0	92.1 88.1	85.5 83.3	400.0	102.8	98.0 100.1	540.0	1116.1	1112.0				
1 7	420.0 490.0	84.4	81.2	1 560.0	100.8	97.6	630.0	1115.5	1113.6				
1 8	560.0	80.0	76.8	640.0	97.2	95.3	720.0	1112.1	111.3				
9	630.0	74.3	72.4	720.0	93.4	92.6	810.0	113.0	1112.2				
10	700.0	69.0	67.1	800.0	93.0	92.2	900.0	113.4	113.4				
1 11	770.0	67.5	66.7	880.0	91.7	90.9	990.0	•	110.6				
12	840.0	64.2	63.4	960.0	87.1	87.1	1080.0	109.0	109.0				
13	910.0	0.0	•	1040.0	84.1	84.1	1170.0	•	110.2				
14	980.0	0.0	0.0	11120.0	82.4	82.4	1260.0	108.2	108.8				
15	1.050.0	0.0	0.0	11200.0	80.5	81.1	1350.0	107.6	108.2				
16	1120.0	0.0	0.0	1280.0	78.1	78.7	1440.0	104.8	105.8				
17	1190.0	0.0	0.0	1360.0	74.0	74.6	1530.0	•	104.8				
•	1260.0	0.0	•	1440.0	69.9		1620.0	•	104.4				
•	1330.0	0.0	:	1520.0	69.4	•	1710.0	•	101.9				
	1400.0	0.0	0.0	1600.0	66.7	•	1800.0	98.9	1.00.1				
21	1470.0	0.0	0.0	1680.0	60.0	: :	1890.0	97.5)8.7				
22	1540.0	0.0	0.0	1760.0	0.0	, ,	1980.0	98.7	99.9				
23	1610.0	0.0	0.0	11840.0	0.0	•	2070.0	96.7	97.9				
24	1680.0	0.0	•	1920.0	0.0		2160.0	93.7	94.9				
•	1750.0 1820.0	0.0	•	2000.0 2080.0	0.0	•	2250.0 2340.0	92.8 93.1	94.1 94.4				
•	1890.0	0.0		2060.0	0.0	•	2430.0	90.9	92.2				
•	1960.0	0.0	•	2240.0	0.0		2520.0	89.1	90.4				
•	2030.0	0.0	•	12320.0	0.0		2610.0	91.0	92.3				
•	2100.0	0.0	•	2400.0	0.0		2700.0	89.8	91.1				
•	2170.0	0.0		2480.0	0.0		2790.0	87.9	89.2				
•	2240.0			2560.0	0.0		2880.0	85.4					
•	2310.0			2640.0	0.0		2970.0						
34	2380.0	0.0	0.0	2720.0	0.0	0.0	3060.0	86.7	87.9				
•	2450.0	0.0		12800.0	0.0	0.0	3150.0	83.9	85.1				
•	2520.0	0.0		2880.0	0.0	Ť :	3240.0	•	81.8				
	2590.0			2960.0	0.0		3330.0	•					
•	2660.0		•	3040.0	•		3420.0						
•	2730.0	•		3120.0	•								
	2800.0			3200.0			3600.0						
+	+			++ ++									
+	DASPL								123.1				
	JASPL												
,		,	•		•	•	•	•	- 1				

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 3 (PITCH ANGLE: 21.6 DEG)

		DATA-POINT / RUN										
+	-+	AC	-1 /	85 +		-	-2 /	84	AC	-3 / +	83 +	
HN	- +	F	SPL	SPLA		F	SPL	SPLA	F	SPL	SPLA	
1 1		•	107.2	81.0	į	•	1111.2	88.7		1116.4	97.3	
1 2	•	140.0	•	88.5	1	•	109.9	96.5	: :	1117.4	106.5	
1 4	:	:	100.5 97.4	89.6	1	240.0 320.0	109.3	100.7	270.0 360.0	•	107.8	
4	1	•	97.4	86.4	1	400.0	106.5 107.5	99.9 102.7	360.0	•	112.8	
1 6	i		91.0	86.2	i	480.0	:	101.9		:	112.4	
1 7	i	:	86.6	83.4	1	560.0	103.1	:	630.0	•	1112.4	
1 8	1	:	81.8	78.6	1	•	101.2		: ·	•	116.2	
9		•	79.5	77.6		720.0	99.9	:	1		1115.5	
10	-	:	76.2	74.3		800.0	97.1	:	•	•	1115.9	
111	1		71.0	70.2	1	880.0	94.5	93.7	•	1	1115.3	
1 12	1	840.0	66.7	65.9	l	960.0	93.5	•		:	113.3	
1 13	i	910.0	63.8	63.8	1	1040.0	90.5	•		110.9	1111.5	
14	i	980.0	0.0	0.0	•	1120.0	87.0	•		112.5	113.1	
15	ì	1050.0	0.0	0.0	•	1200.0	85.5	•	• •	110.7	111.3	
16		1120.0	0.0	0.0	•	1280.0	84.8	•	: :	108.6	109.6	
17	•	1190.0	0.0	0.0	•	1360.0	81.1	•		108.0	109.0	
18		1260.0	0.0	0.0	•	1440.0	76.9	•	:	108.8	109.8	
j 19	i	1330.0	0.0	0.0	•	1520.0	74.7			106.5	107.5	
20	İ	1400.0	0.0	0.0		1600.0	73.3	•	: :	•	104.2	
21	İ	1470.0	0.0	0.0		1680.0	70.5	71.5	1890.0	103.8	105.0	
22	Ì	1540.0	0.0	0.0	İ	1760.0	64.4	65.4	1980.0	103.4	104.6	
23	1	1610.0	0.0	0.0		1840.0	0.0	0.0	2070.0	100.7	101.9	
24	1	1680.0	0.0	0.0		1920.0	0.0	0.0	2160.0	99.8	101.0	
25		1750.0	0.0	0.0		2000.0	0.0	0.0	2250.0	100.8	102.1	
26	•	1820.0	0.0	0.0		2080.0	0.0	•	[2340.0	97.7	99.0	
27		1890.0	0.0	0.0		2160.0	0.0	,	12430.0	96.2	97.5	
28	•	1960.0	0.0	0.0		2240.0	0.0	•	2520.0	97.7	99.0	
29	•	2030.0	0.0	0.0		2320.0	0.0	: :	2610.0	97.6	98.9	
30	•	2100.0	0.0	0.0		2400.0	0.0		2700.0	96.0	97.3	
31		2170.0	0.0	•		2480.0	0.0	•	2790.0	95.6	96.9	
		2240.0			- 1	2560.0			12880.0			
-		2310.0				2640.0			2970.0	•	•	
•	•	2380.0				2720.0			3060.0			
•		2450.0			1 1	2800.0			3150.0		•	
•	•	2520.0				2880.0			3240.0		•	
•		2590.0 2660.0				2960.0			3330.0		•	
		2730.0							3420.0 3510.0			
•		2800.0				3120.0 3200.0			3600.0			
									-+			
•	-							•	+		•	
I												
· 		OASPL 110.1 95.7										

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 4 (PITCH ANGLE: 21.6 DEG)

	+	DATA-POINT / RUN											
1	AC	-1 /	85	II AC	-2 /	84	II AC	-3 /	83				
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA				
1	70.0	108.4	82.2	80.0	113.3	90.8	•	117.9	98.8				
	1140.0	105.6	89.5	160.0	109.7	96.3		116.6	105.7				
	210.0	100.4	89.5	11 240.0	-	,		119.1	1110.5				
4	1 280.0	98.7	90.1	320.0	108.4	101.8		:	113.1				
5]] 350.0	93.2	86.6	400.0		101.6	450.0	•	115.1				
•	420.0	92.0	87.2	480.0	104.5	101.3	540.0	•	113.6				
7	490.0	86.9	83.7	560.0	104.0	100.8	630.0	*	1116.5				
8	560.0	84.5	81.3	640.0	102.7	100.8		:	1115.5				
9	630.0	81.0	79.1	720.0	99.1	98.3	•	116.3	115.5				
10	700.0	76.4	74.5	800.0	98.1	97.3	•	116.1	116.1				
11	770.0	72.6	71.8	880.0	96.0	95.2	•	1114.6	114.6				
12	840.0	70.4	69.6	960.0	92.2	92.2	•		1114.1				
13	910.0	63.6 0.0	•	1040.0 1120.0	91.5	91.5 90.1	•	•	114.8				
•	980.0 1050.0	•	•	11120.0	90.1	, !	•	•	111.4 112.5				
•	11120.0	0.0	•	11280.0	82.5		•	•	1112.5				
•	1120.0	0.0	•	1260.0	83.2				1111.3				
•	1260.0	0.0	•	1440.0	79.5	•	•	•	107.8				
	1330.0	0.0	•	1520.0	76.6		•	1	107.9				
•	11400.0	0.0	•	1600.0	73.1		•	:	106.8				
:	11470.0	0.0	•	1680.0	70.6	: :	•	1	104.2				
	11540.0	0.0	•	1760.0	67.2	! !	1980.0	•	103.0				
	1610.0	0.0	0.0	1840.0	0.0	: :	2070.0		102.4				
24	1680.0	0.0	0.0	1920.0	0.0	•	2160.0	:	100.7				
•	1750.0	0.0	0.0	2000.0	0.0	•	2250.0	•	100.0				
	1820.0	0.0	•	2080.0	0.0	•	2340.0	98.3	99.6				
	1890.0	0.0	•	2160.0	0.0	•	2430.0	98.0	99.3				
28	1960.0	0.0	•	2240.0	0.0	i 0.0 i	2520.0	97.4	98.7				
•	2030.0	0.0	0.0	2320.0	0.0	0.0	2610.0	97.9	99.2				
30	2100.0	0.0	0.0	2400.0	0.0	0.0	2700.0	96.9	98.2				
31	2170.0	0.0	0.0	2480.0	0.0	0.0	2790.0	96.2	97.5				
32	2240.0	0.0	0.0	2560.0	0.0	0.0	2880.0	96.3	97.5				
*	2310.0	0.0		2640.0	0.0	•	2970.0	•					
	2380.0	0.0		2720.0	0.0		3060.0	7					
	2450.0	0.0		2800.0	0.0	•	3150.0		96.0				
	2520.0	0.0		2880.0	0.0		3240.0	•	94.7				
	2590.0	0.0		2960.0	0.0	•	3330.0	•	92.9				
	2660.0			, ,	0.0	•	3420.0		93.2				
	2730.0			3120.0	•	•			92.5				
	[[2800.0	•	•	3200.0	•	•	3600.0	•					
	++ 												
									126.2				
	OASPL												
r		,	,			T	,	,	, +				

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

DNW PROPELLER NOISE TEST

MICROPHONE: MP 5 (PITCH ANGLE: 21.6 DEG)

		+	DATA-POINT / RUN											
+-	+	AC	-1 /	85 +		AC	-2 /	•	AC	-3 /	83 			
Ì +-	HN	F	SPL	SPLA	 +-	, F	SPL	SPLA	F	SPL	SPLA			
į	1	:	109.7	83.5	ĺ	•	115.5	93.0		•	101.0			
!	2	140.0	106.3	90.2		160.0	110.7	97.3	180.0	115.1	104.2			
1	3	210.0	97.7	86.8		•	108.7	100.1	270.0	118.9	110.3			
	4	280.0	96.8	88.2		320.0	111.6	105.0	360.0	120.9	116.1			
1	- (350.0	98.0	•		•	107.1	102.3	450.0	1113.2	110.0			
ļ	6	420.0	89.0	•		•	101.4	93.2	540.0	•	113.5			
į.	7	490.0	83.6	80.4	 	560.0	102.9	99.7	•	•	117.0			
	8	560.0	83.5	80.3		:	101.9	100.0	720.0	•	113.0			
1	9	630.0 700.0	79.9 73.8	78.0	 	720.0	97.8	97.0 94.2	*	•	113.9 113.6			
•	10	770.0	73.8 69.5	71.9 68.7	1 	800.0 880.0	95.0 92.5	94.2 91.7	•	:	113.4 113.7			
•	12	1 840.0	69.3	65.9		960.0	92.7		•	•	113.7			
•		910.0	0.0	1 0.0	1 i 1 i	1040.0	89.5		•		111.5			
- :	14	980.0	0.0	•] 	1120.0	85.8		1260.0	•	111.1			
	15	1050.0	0.0	0.0		1200.0	84.8		1350.0	108.2	108.8			
•	16	1120.0	0.0	:	: :	1280.0	83.7		1440.0	106.3	107.3			
:	17	1190.0	0.0	•		1360.0	78.1	:	1530.0	:	106.9			
•	18	1260.0	0.0			1440.0	75.3	• '	1620.0	103.3	104.3			
•		1330.0	0.0	•		1520.0	75.7		1710.0	•	101.9			
		1400.0	0.0		: :	1600.0	69.3	• •		101.5	102.7			
		1470.0	0.0	•		1680.0	64.5	• •	1890.0	98.0	99.2			
	22 i	1540.0	0.0			1760.0	67.2		1980.0	96.8	98.0			
•		1610.0	0.0		1 1	1840.0	61.2	. ,	2070.0	•	100.1			
		1680.0	0.0		: :	1920.0	0.0		2160.0	94.4	95.6			
•		1750.0	0.0		: :	2000.0	0.0		2250.0	94.8	96.1			
i	•	1820.0	0.0			2080.0	0.0	•	2340.0	94.9	96.2			
i.		1890.0	0.0		: :	2160.0	0.0		2430.0	90.6	91.9			
i.	28 j	1960.0	0.0	0.0	П	2240.0	0.0	•	2520.0	93.9	95.2			
j.	29	2030.0	0.0	0.0	П	2320.0	0.0	0.0	2610.0	89.1	90.4			
1	30 j	2100.0	0.0	0.0	H	2400.0	0.0	0.0	2700.0	90.0	91.3			
•	31 j	2170.0	0.0	0.0	H	2480.0	0.0		2790.0	92.6	93.9			
-	32	2240.0	0.0	0.0	H	2560.0	0.0	0.0	2880.0	86.0	87.2			
- 1		2310.0		0.0		2640.0	0.0		2970.0		89.8			
1.	34	2380.0	0.0			2720.0	0.0		3060.0	•				
•		2450.0				2800.0	0.0		3150.0					
	36	2520.0	0.0	0.0	П	2880.0	0.0		3240.0	•				
•	•	2590.0	-		•	2960.0	0.0		3330.0	•				
		2660.0			: :	3040.0			3420.0	•				
•		2730.0			: :	3120.0			3510.0	•	•			
		2800.0				3200.0		•	3600.0	,				
+-	+	+							+					
+-	 n								+ 					
i +-														

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 6 (PITCH ANGLE: 21.6 DEG)

	+	DATA-POINT / RUN											
		AC.	-1 /	. 85	l	l AC	-2 /	84	Į AC	-3 /	83		
HN		F	SPL	SPLA		F	SPL	SPLA	F	SPL	SPLA		
1	1	•	112.1	85.9	1	80.0	117.8	95.3	•	122.6	103.5		
2	1	•	106.1	•	1	•	•		•	•	104.7		
3	-	210.0	97.6	86.7	l	•	104.3	95.7	•	•	110.4		
4		•	98.3	89.7	ļ	:	•	104.8	•		115.9		
1 5		350.0	93.8	87.2	ļ	400.0	103.9	99.1	•	:	106.8		
1 6	1		86.0	81.2	ļ	480.0	98.5	95.3			114.0		
7		490.0	78.4	75.2	ļ	560.0	101.1	97.9	•		113.0		
8		560.0	0.0	0.0	ļ	640.0	96.7	94.8	•		105.2		
9	Ħ	630.0	0.0	0.0	1	720.0	80.6	79.8	•	•	[111.1		
10		700.0	0.0	0.0	ļ	800.0	93.0	92.2	•	110.7	110.7		
1 11		770.0	0.0	0.0	ļ	880.0	89.3	88.5	990.0	97.5	97.5		
12		840.0	0.0	0.0	1	960.0	82.3	82.3	•	107.3	107.3		
13	1	910.0	0.0	0.0	•	1040.0	79.9	79.9	•	102.6	103.2		
14		980.0	0.0	•	•	1120.0	82.1	•	11260.0	97.9	98.5		
15	• •	1050.0	0.0	•	•	1200.0	71.0		1350.0	98.3	98.9		
1 16		1120.0	0.0	•	•	1280.0	0.0		11440.0	95.5	96.5		
1 17		1190.0	0.0	•	•	1360.0	0.0	•	11530.0	94.4	95.4		
18		1260.0	0.0	•	•	1440.0	0.0		11620.0	92.8	93.8		
1 19		1330.0	0.0			1520.0 1600.0	0.0		1710.0	93.3	94.3		
20	: :	1400.0	0.0	•		1680.0	0.0 0.0	1 :	1800.0 1890.0	88.1 37.1	89.3 88.3		
•		1470.0 1540.0	0.0 0.0	0.0	:	1760.0	0.0	•	1980.0	32.2	83.4		
1 23		1610.0	0.0	0.0	:	1840.0	0.0	:	2070.0	77.3	: :		
1 24		1680.0	0.0	0.0	:	1920.0	0.0	: :	2160.0	85.8	78.5 87.0		
25	- 1	1750.0	0.0	0.0	•	2000.0	0.0	•	2250.0	71.3	72.6		
26		1820.0	0.0	0.0	•	2080.0	0.0		2340.0	82.7	72.0 84.0		
1 27		1890.0	0.0		•	2160.0	0.0	•	2430.0	79.5	80.8		
28		1960.0	0.0	•	•	2240.0	0.0		12520.0	75.7	00.0 77.0		
29		2030.0	0.0			2320.0	0.0		2610.0	79.2	80.5		
30		2100.0	0.0		•	2400.0	0.0		2700.0	77.7	79.0		
1		2170.0	0.0	0.0	•	2480.0	0.0	•	2790.0	74.7	76.0		
•		2240.0				2560.0	0.0		2880.0	•	, ,		
		2310.0				2640.0	0.0		2970.0		: :		
		2380.0			•	2720.0	0.0		3060.0	•	0.0		
- 1	: :	2450.0			1 .	2800.0	0.0		3150.0	-	0.0		
•		2520.0	0.0		•	2880.0	0.0		3240.0		0.0		
	: :	2590.0	0.0		: :	2960.0	0.0	: :	3330.0		0.0		
•		2660.0	•		•	3040.0	0.0	:	3420.0		: :		
		2730.0							3510.0	•	1		
		2800.0							3600.0		0.0		
									+				
									+				
+					+-	·	·	++	+	+	++		

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 7 (PITCH ANGLE: 21.6 DEG)

	+-	DATA-POINT / RUN											
	İ	AC	-1 /	85			·		i I	AC	-3 /	83	
HN	++-	F	SPI.	+ SPLA	+	+ F	SPL	SPLA	+ → 	F	SPL	SPLA	
1	 	70.0	† 107.6	+ 81.4	+-	80.0	112.7	90.2	+ + 	90.0	+ 118.9	99.8	
2		140.0	96.4	80.3	-	160.0	103.0	89.6	H	180.0	112.3	101.4	
3	11	210.0	90.4	79.5	1	240.0	101.7	93.1	1	270.0	103.7	95.1	
1 4	11	280.0	79.4	70.8	-	320.0	95.1		۱۱	360.0	104.8	100.0	
5		350.0	0.0	0.0		400.0	84.4	•		450.0	91.1	87.9	
6	!!	420.0	0.0	0.0	1	480.0	82.9	:		540.0	96.5	93.3	
1 7		490.0	0.0	0.0	-	560.0	82.6	79.4	1	630.0	95.1	93.2	
8		560.0	0.0	0.0	ļ	640.0	78.7	76.8		720.0	90.7	89.9	
9		630.0	0.0	0.0	ļ	720.0	77.2	76.4	H	810.0	93.8	93.0	
10	!!	700.0	0.0	0.0		800.0	70.3	69.5	1	900.0	88.9	88.9	
11	!!	770.0	0.0	0.0	1	880.0	0.0	0.0	1	990.0	86.6	86.6	
12	: :	840.0	0.0	0.0	1	960.0	0.0	•		1080.0	90.8	90.8	
13		910.0	0.0	0.0	!	1040.0	0.0			1170.0	90.7	91.3	
14		980.0	0.0	•	•	1120.0	0.0	: :		1260.0	69.1	69.7	
15		050.0	0.0	-		1200.0	0.0		•	1350.0	0.0	0.0	
16		120.0	0.0			1280.0	0.0			1440.0	0.0	0.0	
1 17		190.0	0.0		1 1	1360.0	0.0			1530.0	0.0	0.0	
18	: :	260.0	0.0		1 1	1440.0	0.0	: :		1620.0	0.0	0.0	
19		330.0	0.0			1520.0	0.0	: :	•	1710.0	0.0	0.0	
20		400.0	0.0	-		1600.0	0.0	:		1800.0	0.0	0.0	
21	1 1	470.0	0.0			1680.0	0.0		- 1	1890.0	0.0	0.0	
22		540.0	0.0	0.0	: :	1760.0	0.0		- :	1980.0	0.0	0.0	
•		610.0	0.0	0.0		1840.0	0.0			2070.0	0.0	0.0	
•	1 1	680.0	0.0			1920.0	0.0		- :	2160.0	0.0	0.0	
25		750.0	0.0			2000.0	0.0		•	2250.0	0.0	0.0	
26		820.0	0.0	0.0		2080.0	0.0		-	2340.0	0.0	0.0	
27		890.0	0.0	0.0		2160.0	0.0		- 1	2430.0	0.0	0.0	
28 29		960.0 030.0	0.0	0.0		2240.0	0.0	•		2520.0	0.0	0.0	
•	: :		0.0			2320.0	0.0	•		2610.0	0.0	0.0	
30		100.0	0.0		: :	2400.0	0.0	•		2700.0	0.0	0.0	
•		170.0	0.0			2480.0 2560.0	0.0			2790.0 2880.0	0.0	0.0	
		240.0 310.0	0.0		: :						0.0	0.0	
•		380.0	0.0 0.0			2640.0 2720.0			- 1	2970.0 3060.0	0.0	0.0	
	1 1	450.0	0.0		: :	2800.0	0.0		- 1	3150.0	0.0	0.0	
•		520.0	0.0		: :	2880.0			- :	3130.0 3240.0	0.0 0.0	0.0 0.0	
•		590.0	0.0			2960.0			•	3330.0	0.0	0.0	
•		660.0			: :	3040.0				3420.0	0.0	0.0	
•	1 1	730.0	'			3120.0			- 1	3510.0	0.0	0.0	
*	: :	800.0	0.0	0.0	П	3200.0	0.0	0.0	Ì	3600.0	0.0	0.0	
+						·~							
+ 	oas		108.0			· 	- 113.5					10b.9	
•			•			ا +	•	•					

アンファイン 関係などのない 自動 かからななの 関係ない こうしゅう

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

DIW THOTELEDER HOTEL TEST

MICROPHONE: MP 9 (PITCH ANGLE: 21.6 DEG)

		-	+ 	DATA-POINT / RUN											
+		+-	l AC	-1 /		 -		-2 /	•	AC	-3 /	83 +			
į	HN	ļ	F +	SPL				SPL	•	•	SPL	SPLA			
į	1	į	•	105.5	•	İ	:	1111.2	88.7	•	115.4	96.3			
1	2	1	•	103.8	•	ļ	•	107.9	94.5	•	•	1102.0			
	3	ļ	•	96.0	85.1	l	240.0	1107.8	99.2	•	1119.3	110.7 112.6			
1	4 5	1	•	100.2 94.8		 	•	109.6 103.9	103.0 99.1	•	117.4 115.4	112.0			
1	6		•	86.6		 	•	103.9	99.1 100.0	*	•	112.2			
I	7	i		85.0	i	ŀ	•	103.2	100.6	•	117.2	114.6			
1	8	i	:	83.5		1		99.3	97.4	720.0	•	113.5			
!		i		80.0	78.1	ł	720.0	97.2	96.4	•	•	115.4			
			:	75.6		ĺ		97.6	: :	•	:	112.7			
i	11	ŀ	<u>:</u>	71.7	70.9	i	880.0	94.1	93.3	•	:	112.5			
i		ì		0.0	0.0	i	960.0	90.5		•	:	113.1			
i	13	i	:	0.0		i	1040.0	91.5	. ,	•	•	112.5			
i	14	i	980.0	0.0	•	•	1120.0	88.5		•	108.1	108.7			
į	15	i	1050.0	0.0	0.0	İ	1200.0	86.6	87.2	1350.0	110.1	110.7			
Ì	16	İ	1120.0	0.0	0.0	-	1280.0	80.4	81.0	1440.0	109.1	110.1			
	17	1	1190.0	0.0	0.0	l	1360.0	80.9	81.5	1530.0	105.6	106.6			
-	18		1260.0	0.0	0.0		1440.0	79.2	80.2	1620.0	106.2	107.2			
1	19	•	1330.0	0.0	•	•	1520.0	75.2	76.2	•	•	105.5			
	20	•	1400.0	0.0	•	•	1600.0	72.2		•	•	103.8			
-			1470.0	0.0	•	•	1680.0	70.9		•	•	104.4			
-		•	1540.0	0.0	•		1760.0	69.1		1980.0	•	101.1			
ļ		•	1610.0	0.0	:	: :	1840.0	63.0	•	2070.0	:	100.8			
ļ			1680.0	0.0		•	1920.0	0.0		•	:	102.8			
ļ		-	1750.0	0.0	•	•	2000.0	0.0		2250.0	93.9	95.2			
1		•	1820.0	0.0			2080.0	0.0	: :	2340.0	98.2	99.5			
1		•	1890.0	0.0	•	•	2160.0 2240.0	0.0 0.0	0.0 0.0	2430.0 2520.0	98.7 95.0	100.0 96.3			
1			1960.0 2030.0	0.0	•	•	2320.0	0.0		2610.0	97.1	98.4			
1			2100.0	0.0	•	•	2400.0	0.0	0.0	2700.0	96.2	97.5			
1			2170.0	0.0	•	•	2480.0	0.0		2790.0	94.5	95.8			
i			2240.0		•	•	2560.0	•		2880.0	•	97.2			
i			2310.0				2640.0		•	2970.0	•				
i			2380.0	•			2720.0		: :	3060.0		:			
İ			2450.0				2800.0	•	•	3150.0	:	:			
i			2520.0				2880.0			3240.0					
İ	37		2590.C	0.0		: :	2960.0	0.0	0.0 j	3330.0	89.8	91.0			
İ	38	П	2660.0	0.0	0.0		3040.0	0.0		3420.0		92.6			
-			2730.0	•	•		3120.0	•		3510.0		93.8			
ı			2800.0				3200.0			3600.0					
+										+					
i		O.	ASPL	108.9	95.6	П		116.4	109.2	1	127.0	124.6			
+	-				+ -	Н	·	+	+ -	+	+	++			

⁻ FREQUENCY HZ

CONTRACTOR DESCRIPTION (KENNING) CONTRACTOR RESERVED BY AND THE CONTRACTOR CO

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 1 (PITCH ANGLE: 21.6 DEG)

	-	DATA-POINT / RUN										
+	4	 AC-	-7 / +		 -	•	-4 /	80	AC	-5 /	81 +	
HN	· -	F +	SPL	*		•	SPL	SPLA	F	SPL	SPLA	
		•	102.7	•			107.8	85.3	•	113.4	94.3	
1 2	j	146.0	98.6 96.9	85.2	ŀ		102.8 1103.8	89.4 95.2	*		101.6 103.5	
3	1	•	93.3	86.0 86.7	1	•	103.8	95.2 95.2	•		103.5 105.7	
	1	<u>.</u>	90.9	86.1	1	400.0	98.5	93.7	•	•	105.7	
1 6	1	:	84.0		1	:	92.6	89.4	•	,	102.0	
1 7	1	•	80.4		! 	:	91.3	88.1	•	•	104.5	
1 8	1	:	71.0				88.8	86.9	•	•	104.3	
•	ì	•	0.0	:	i	:	86.9	: :	•	•	102.0	
10	i		0.0		i		76.0	75.2	•	•	102.0	
111	i	:	0.0		i		0.0	: :	990.0	99.9	99.9	
1 12	i		0.0	0.0	İ	960.0	0.0		1080.0	94.7	94.7	
13	i	949.0	0.0	0.0	İ	1040.0	0.0	•	1170.0	93.2	93.8	
14	İ	1022.0	0.0	0.0	Ì	1120.0	0.0	0.0	1260.0	91.5	92.1	
15	Ì	1095.0	0.0	0.0	ĺ	1200.0	0.0	0.0	1350.0	89.4	90.0	
16	-	1168.0	0.0	0.0		1280.0	0.0	0.0	1440.0	87.1	88.1	
17	1	1241.0	0.0	0.0	ļ	1360.0	0.0	0.0	1530.0	89.3	90.3	
18		1314.0	0.0	•	•	1440.0	0.0		1620.0	84.5	85.5	
19	•	1387.0	0.0	•	•	1520.0	0.0		1710.0	74.4	75.4	
•	•	1460.0	0.0	•	:	1600.0	0.0		1800.0	0.0	0.0	
21	•	1533.0	0.0	•	•	1680.0	0.0	•	1890.0	0.0	0.0	
•	•	1606.0	0.0	•	•	1760.0	0.0		1980.0	0.0	0.0	
•		1679.0	0.0	•	•	1840.0	0.0	• •	2070.0	0.0	0.0	
•		1752.0	0.0	•	•	1920.0	0.0		2160.0	0.0	0.0	
•		1825.0	0.0	•	•	2000.0	0.0		2250.0	0.0	0.0	
		1898.0	0.0	•		2080.0	0.0	: :	2340.0	0.0	0.0	
		1971.0	0.0		•	2160.0	0.0	0.0	12430.0	0.0	0.0	
28		2044.0 2117.0	0.0	0.0	•	2240.0 2320.0	0.0 0.0	•	2520.0 2610.0	0.0 0.0	0.0 0.0	
		2190.0	0.0			2400.0	0.0	0.0 1	2700.0	0.0	0.0	
•		2263.0	0.0	•		2480.0	0.0	0.0	2790.0	0.0	0.0	
•		2336.0				2560.0			2880.0		, ,	
		2409.0				2640.0	0.0		2970.0		: :	
		2482.0				2720.0			3060.0			
-		2555.0				2800.0		:	3150.0		:	
•		2628.0				2880.0	0.0		3240.0			
•		2701.0				2960.0		•	3330.0			
		2774.0				3040.0		0.0	3420.0	0.0	0.0	
		2847.0		0.0		3120.0	0.0	0.0	[3510.0	0.0	0.0	
•		2920.0				3200.0			3600.0		0.0	
+			·-~	+	- 4			· +	+		· +	
									 +			

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 2 (PITCH ANGLE: 21.6 DEG)

	+			-	DATA-	POINT /	RUN			
+	AC	-7 / +	82 +		AC	-4 / +	80 ++	AC	-5 /	81
HN	F	SPL	SPLA		F	SPL	SPLA	F	SPL	SPLA
1	73.0	102.4	79.9		•	107.2	84.7	90.0	114.1	95.0
•	146.0	104.0	90.6	!	•	108.7	,	•		104.1
3	219.0	101.2	90.3	ļ	:	107.0		•		107.2
1 4	1 292.0	98.2	91.6	}		104.2		:		113.1
5	365.0	96.0	91.2	ļi	•	103.7	98.9	•	•	113.0
6	438.0	94.5	89.7	L	480.0	103.9	100.7	•	•	1113.4
1 7	[511.0	92.8	89.6	!	560.0	101.3	98.1			113.2
8	584.0	86.3	84.4		640.0	98.4	96.5		1112.7	1111.9
9	657.0	83.6	81.7		720.0	94.6	93.8	•	1113.4	1112.6
10	730.0	78.3	77.5	 	800.0	94.9	94.1	•	1113.7	1113.7
11	1 803.0	80.8	80.0		880.0	93.2	92.4	•	•	1111.0
12	876.0 949.0	73.2	72.4		960.0 1040.0	88.8	88.8	11170.0	•	1109.3
1 14	11022.0	69.6	69.6 0.0] 	1120.0	86.0 84.9	86.0 84.9	•	:	110.5
•	11022.0	0.0	1) () (1200.0	83.6		113.0.0	•	109.3 108.4
	11168.0	0.0	•	•	1280.0	78.5		•	•	106.4
-	1241.0	0.0	:		1360.0	77.5	•	•	•	106.4
•	11314.0	0.0	•		1440.0	69.9	•	•	•	104.3
19	11314.0	0.0	•		1520.0	0.0	•	•	•	104.4
20	11460.0	0.0	0.0		1600.0	0.0		1800.0	98.6	99.8
21	1533.0	0.0	0.0	: :	1680.0	0.0		1890.0	97.4	98.6
22	11606.0	0.0	0.0		1760.0	0.0		1980.0	98.4	99.6
23	11679.0	0.0	0.0	: :	1840.0	0.0	: :	2070.0	95.8	97.0
•	1752.0	0.0	•	: :	1920.0	0.0		2160.0	92.7	93.9
1	1825.0	0.0	•		2000.0	0.0		2250.0	92.6	93.9
•	1898.0	0.0	:		2080.0	0.0		2340.0	93.3	94.6
•	1971.0	0.0	•		2160.0	0.0		2430.0	90.6	91.9
•	2044.0	0.0	•		2240.0	0.0		2520.0	87.9	89.2
:	2117.0	0.0	•	• :	2320.0	0.0		2610.0	90.8	92.1
30	[]2190.0	0.0	0.0	Ħ	2400.0	0.0		2700.0	89.3	90.6
	[[2263.0	0.0	0.0	İ	2480.0	0.0	0.0	2790.0	86.5	87.8
•	[]2336.0	i	•		2560.0			10000	84.2	85.4
7	2409.0	0.0		: :	2640.0	0.0		2970.0	86.8	88.0 j
•	2482.0	0.0	:		2720.0	0.0	0.0	3060.0	86.5	87.7
35	2555.0	0.0	0.0	П	2800.0	0.0	0.0	3150.0	82.5	83.7
36	[2628.0	0.0	0.0	П	2880.0	0.0	0.0	3240.0	80.1	81.3
37	2701.0	0.0	-		2960.0		•	3330.0	•	84.0
38	112774.0	0.0			3040.0			3420.0		83.1
39	2847.0	0.0	•		3120.0			3510.0		78.2
•	2920.0	•	•		3200.0		•	3600.0	-	
+	++									
+								+		
	OASPL									123.3
+		+	+ 	++			+	+	·	h

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 3 (PITCH ANGLE: 21.6 DEG)

HN F	5 / 81 SPL SPLA 115.7 96.6 116.7 105.8	•						1	
HN	- 115.7 96.6			-4 / +	•		-7 /	AC	+
2 146.0 104.3 90.9 160.0 108.6 95.2 180.0 3 219.0 101.3 90.4 240.0 108.3 99.7 270.0 4 292.0 98.5 91.9 320.0 106.1 99.5 360.0 5 365.0 99.3 94.5 400.0 107.3 102.5 450.0 6 438.0 96.6 91.8 480.0 104.9 101.7 540.0 7 511.0 92.5 89.3 560.0 102.0 98.8 630.0 8 584.0 89.0 87.1 640.0 102.2 100.3 720.0 9 657.0 88.1 86.2 720.0 100.8 100.0 810.0 10 730.0 85.4 84.6 800.0 97.9 97.1 900.0 11 803.0 81.2 80.4 860.0 95.8 95.0 990.0 12 876.0 76.4 75.6 960.0 95.0 95.0 1080.0 13 949.0 0.0 0.0 1040.0 92.0 92.0 1170.0 14 1022.0 0.0 0.0 1120.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1220.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0	•	,	•	SPL	•	•	SPL	F	HN
3 219.0 101.3 90.4 240.0 108.3 99.7 270.0 4 292.0 98.5 91.9 320.0 106.1 99.5 360.0 5 365.0 99.3 94.5 400.0 107.3 102.5 450.0 6 438.0 96.6 91.8 480.0 104.9 101.7 540.0 7 511.0 92.5 89.3 560.0 102.0 98.8 630.0 8 584.0 89.0 87.1 640.0 102.2 100.3 720.0 9 657.0 88.1 86.2 720.0 100.8 100.0 810.0 10 730.0 85.4 84.6 800.0 97.9 97.1 900.0 11 803.0 81.2 80.4 860.0 95.8 95.0 990.0 12 876.0 76.4 75.6 960.0 95.0 95.0 1080.0 13 949.0 0.0 0.0 1040.0 92.0 92.0 1170.0 14 1022.0 0.0 0.0 1120.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1220.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0	116.7 [105.8	:		•	•		· ·		1
4	,	,	1		•	: '	•	1	
5 365.0 99.3 94.5 400.0 107.3 102.5 450.0 6 438.0 96.6 91.8 480.0 104.9 101.7 540.0 7 511.0 92.5 89.3 560.0 102.0 98.8 630.0 8 584.0 89.0 87.1 640.0 102.2 100.3 720.0 9 657.0 88.1 86.2 720.0 100.8 100.0 810.0 10 730.0 85.4 84.6 800.0 97.9 97.1 900.0 11 803.0 81.2 80.4 860.0 95.8 95.0 990.0 12 876.0 76.4 75.6 960.0 95.0 95.0 1080.0 13 949.0 0.0 0.0 1120.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1200.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0	116.3 107.7	•	•	•		•			
6 438.0 96.6 91.8 480.0 104.9 101.7 540.0 7 511.0 92.5 89.3 560.0 102.0 98.8 630.0 8 584.0 89.0 87.1 640.0 102.2 100.3 720.0 9 657.0 88.1 86.2 720.0 100.8 100.0 810.0 10 730.0 85.4 84.6 800.0 97.9 97.1 900.0 11 803.0 81.2 80.4 860.0 95.8 95.0 990.0 12 876.0 76.4 75.6 960.0 95.0 95.0 1080.0 13 949.0 0.0 0.0 1040.0 92.0 92.0 1170.0 14 1022.0 0.0 0.0 11200.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1200.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0	117.3 112.5	:	1		•	:	•	•	
7 511.0 92.5 89.3 560.0 102.0 98.8 630.0 8 584.0 89.0 87.1 640.0 102.2 100.3 720.0 9 657.0 88.1 86.2 720.0 100.8 100.0 810.0 10 730.0 85.4 84.6 800.0 97.9 97.1 900.0 11 803.0 81.2 80.4 860.0 95.8 95.0 990.0 12 876.0 76.4 75.6 960.0 95.0 95.0 1080.0 13 949.0 0.0 0.0 1040.0 92.0 92.0 1170.0 14 1022.0 0.0 0.0 1120.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1200.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0	•	•	•	•	•	•	•		
8 584.0 89.0 87.1 640.0 102.2 100.3 720.0 9 657.0 88.1 86.2 720.0 100.8 100.0 810.0 10 730.0 85.4 84.6 800.0 97.9 97.1 900.0 11 803.0 81.2 80.4 880.0 95.8 95.0 990.0 12 876.0 76.4 75.6 960.0 95.0 95.0 1080.0 13 949.0 0.0 0.0 1040.0 92.0 92.0 1170.0 14 1022.0 0.0 0.0 1120.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1200.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0		•		•	•	•	•	1	
9 657.0 88.1 86.2 720.0 100.8 100.0 810.0 10 730.0 85.4 84.6 800.0 97.9 97.1 900.0 11 803.0 81.2 80.4 860.0 95.8 95.0 990.0 12 876.0 76.4 75.6 960.0 95.0 95.0 1080.0 13 949.0 0.0 0.0 1040.0 92.0 92.0 1170.0 14 1022.0 0.0 0.0 1120.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1200.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0		•		•	•		•		
10			•	•	•	•	•	:	
11 803.0 81.2 80.4 860.0 95.8 95.0 990.0 12 876.0 76.4 75.6 960.0 95.0 95.0 1080.0 13 949.0 0.0 0.0 1040.0 92.0 92.0 1170.0 14 1022.0 0.0 0.0 1120.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1200.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0		•	-		•		•	•	•
12	•	,	•	•	•		•	:	
13 949.0 0.0 0.0 1040.0 92.0 92.0 1170.0 14 1022.0 0.0 0.0 1120.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1200.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0	•			:	•			•	
14 1022.0 0.0 0.0 1120.0 89.0 89.0 1260.0 15 1095.0 0.0 0.0 1200.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0	•		•	-	•		:	•	
15 1095.0 0.0 0.0 1200.0 87.3 87.9 1350.0 16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0	*		•	•	•	: :	•	•	•
16 1168.0 0.0 0.0 1280.0 87.1 87.7 1440.0	•	•		:	•		:		
	•			1	•			•	-
17 1241.0 0.0 0.0 1360.0 81.6 82.2 1530.0	•		•	81.6	1360.0		0.0	1241.0	· ·
	•	•	•	-	•		:	•	•
	1			•	•	•	•	•	
	'		1	•	•	: :	:		•
	'	•	•	•		: :	:	•	•
	•		!	•	•	,	•	•	
	•	•			•		•	:	
24 [1752.0 0.0 0.0 1920.0 0.0 0.0 12160.0	$100.3 \mid 101.5$ $99.6 \mid 100.8$:		:			•	•	•
	'	•	•	1				•	•
26 1898.0 0.0 0.0 2080.0 0.0 0.0 2340.0	97.1 + 98.4		•	•				•	
27 1971.0 0.0 0.0 2160.0 0.0 0.0 2430.0	96.1 97.4	•		:				:	
28 2044.0 0.0 0.0 2240.0 0.0 0.0 2520.0	97.1 98.4	•		:	•	•		•	
29 2117.0 0.0 0.0 2320.0 0.0 0.0 2610.0	96.9 98.2	•	•	•	,			,	•
30 2190.0 0.0 0.0 2400.0 0.0 0.0 12700.0	95.3 96.6			:				•	,
31 2263.0 0.0 0.0 2480.0 0.0 0.0 12790.0	94.8 96.1			•				,	•
32 2336.0 0.0 0.0 2560.0 0.0 0.0 2880.0				•		•		•	•
33 2409.0 0.0 0.0 2640.0 0.0 0.0 2970.0									
34 2482.0 0.0 0.0 2720.0 0.0 0.0 3060.0									-
35 2555.0 0.0 0.0 2800.0 0.0 0.0 3150.0					2800.0	0.0	0.0	2555.0	35
36 2628.0 0.0 0.0 2880.0 0.0 0.0 3240.0	,								
37 2701.0 0.0 0.0 2960.0 0.0 0.0 3330.0				0.0	2960.0				
38 2774.0 0.0 0.0 3040.0 0.0 0.0 3420.0	•			0.0	3040.0	0.0	0.0	2774.0	38
39 2847.0 0.0 0.0 3120.0 0.0 0.0 3510.0	•	•		0.0	3120.0				
40 2920.0 0.0 0.0 3200.0 0.0 0.0 3600.0	88.3 89.3	3600.0 88.3	0.0	0.0	3200.0	0.0			
+++++++									
1 OASPI 1100 5 1100 2 11 1110 01 100 0 11									
OASPL 109.5 100.2 116.0 109.9			100 O I						1)/

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 4 (PITCH ANGLE: 21.6 DEG)

	!			_	DATA-	POINT /	RUN			
++	AC	-7 / +	82 +	1		-4 /		AC	-5 / +	81 +
HN	F	SPL	SPLA	<u> </u>		SPL		 F	SPL	SPLA
: :	•	105.2	82.7	į	1	110.2	87.7	•	116.2	97.1
1 1	•	103.8	90.4	ļ	160.0	107.8	94.4	•	•	104.4
: :		102.0	91.1	ļ	240.0	109.3	100.7		1118.1	109.5
4	292.0	101.4	94.8	1	320.0	108.0	101.4	360.0	117.3	1112.5
5	365.0	99.3	94.5	Ţ	400.0	•	101.2	450.0	1117.9	114.7
6	438.0	95.3	90.5	l	480.0	104.4	101.2	540.0	1116.7	1113.5
: : :	511.0	92.2	89.0	ļ	560.0]104.0 102.8	100.8		1118.1	1116.2
: :	584.0 657.0	91.4	89.5	ł	640.0	•	100.9	•	116.1 116.0	115.3
9 10	657.0 730.0	88.0 83.5	86.1	i	720.0 800.0	99.7 98.6	98.9 97.8	•	•	115.2
: :	803.0	81.3	80.5	1	880.0	97.4	96.6	•	•	114.7
: :	876.0	79.6	78.8	l	960.0	93.0	•	•	•	114.7
	949.0	75.4	75.4	ł	1040.0	92.9	•	•	•	114.8
	1022.0	73.8	73.8	•	1120.0	91.6			•	111.6
•	1095.0	69.9	69.9	•	1200.0	88.1		•	:	112.4
	1168.0	67.0	67.6	•	1280.0	83.8	•	•	•	1111.7
1 1	1241.0	0.0	0.0	•	1360.0	84.8	,	•	108.1	109.1
	1314.0	0.0	0.0	•	1440.0	81.0		•	106.8	107.8
	1387.0	0.0	0.0	•	1520.0	78.2	:	•	107.1	108.1
1 1	1460.0	0.0	0.0	•	1600.0	76.3	•		105.7	106.9
	1533.0	0.0	0.0	•	1680.0	74.2	•	:	102.3	103.5
	1606.0	0.0	0.0	•	1760.0	70.4	71.4	•	102.1	103.3
23	1679.0	0.0	0.0	Ė	1840.0	0.0	0.0	2070.0	100.9	102.1
1 24	1752.0	0.0	0.0	Ĺ	1920.0	0.0	0.0	2160.0	98.8	100.0
25	1825.0	0.0	0.0	1	2000.0	0.0	0.0	2250.0	98.7	100.0
26	1898.0	0.0	0.0		2080.0	0.0	0.0	2340.0	97.5	98.8
27	1971.0	0.0		•	2160.0	0.0		2430.0	97.3	98.6
28	2044.0	0.0	0.0	•	2240.0	0.0		12520.0	97.2	98.5
: :	2117.0	0.0	0.0	-	2320.0	0.0		2610.0	97.4	98.7
30	2190.0	0.0	0.0	•	2400.0	0.0		2700.0	96.2	97.5
	2263.0	0.0	0.0		2480.0	0.0	•	2790.0	95.6	96.9
	2336.0				2560.0	0.0		2880.0		1
•	12409.0				2640.0	0.0		2970.0		95.3
	2482.0			- 1	2720.0		:	3060.0		93.7
	2555.0			•	2800.0			3150.0		95.6
	2628.0			•	2880.0			3240.0	•	•
	12701.0				2960.0 3040.0		: :	13330.0	:	:
	2774.0 2847.0		•		3040.0 3120.0			3420.0 3510.0	•	93.0
	2920.0		-					3600.0		•
								+		
+								-+		
	ASPL	110.1	100.8	1		116.6	110.2		128.1	126.1

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 5 (PITCH ANGLE: 21.6 DEG)

				-	DATA-	POINT /	RUN	-			
+	 AC	:-7 / :+	82	1	•	-4 /	80	 -	AC	5-5 /	81
HN	F	SPL	SPLA		F	SPL	SPLA	 -	-	SPL	SPLA
1		102.7	80.2	1	80.0	110.1	87.6		90.0	117.7	98.6
2	1 1	103.5	90.1		160.0	106.2	92.8	ļ	180.0	112.8	101.9
3	219.0	98.8	87.9		240.0	106.7	98.1	ļ	270.0	1117.5	108.9
4	292.0	100.1	93.5	1	320.0	109.9	103.3		360.0	120.1	1115.3
5	365.0	100.4	95.6		400.0	105.7	100.9		450.0	1112.8	109.6
6	438.0	90.2	85.4	1	480.0	99.9	96.7	[540.0	116 0	112.8
7	511.0	90.2	87.0	1	560.0	102.5	99.3	ļ	630.0	118.1	116.2
8	584.0	89.0	87.1			101.9	100.0	1	720.0	1113.3	1112.5
J 10	657.0	86.6	84.7	1	720.0	96.5	95.7	1 1		1114.6	1113.8
10	730.0 803.0	80.5	79.7 78.5	!	800.0 880.0	95.8	95.0	(•	•	1112.9
:	876.0	79.3	74.5	1	960.0	92.6	91.8	1		•	113.5 111.1
12	949.0	0.0	0.0	1	1040.0	91.0	•			:	•
1 14	11022.0		0.0		1120.0	85.1				1	111.6 111.2
15	11022.0	0.0	0.0		1200.0	85.3		- :		:	1108.7
:	11168.0	0.0	0.0		1280.0	86.4	:	1	="	106.7	103.7
:	11241.0	0.0	0.0	•	1360.0	76.7	•		1530.0	105.6	106.6
•	1314.0	0.0	0.0		1440.0	0.0		•	1620.0	103.6	104.6
-	1387.0	0.0	0.0	•	1520.0	0.0	•	: :		102.0	103.0
	11460.0	0.0	0.0	•	1600.0	0.0		: :		101.7	102.9
•	1533.0	0.0	0.0	- 7	1680.0	0.0			1890.0	98.7	99.9
-	1606.0	0.0	0.0		1760.0	0.0	:		1980.0	98.3	99.5
1	1679.0	0.0	0.0		1840.0	0.0	:		2070.0	98.6	99.8
-	1752.0	0.0	0.0		1920.0	0.0			2160.0	95.3	96.5
-	1825.0	0.0	0.0	•	2000.0	0.0		•	2250.0	94.4	95.7
26	1898.0	0.0	0.0	ĺ	2080.0	0.0	0.0		2340.0	94.9	96.2
27	1971.0	0.0	0.0		2160.0	0.0	0.0		2430.0	91.9	93.2
28	112044.0	0.0	0.0		2240.0	0.0	0.0		2520.0	92.7	94.0
29	2117.0	0.0	0.0	1	2320.0	0.0	0.0		2610.0	89.5	90.8
30	2190.0	0.0	0.0		2400.0	0.0	0.0	-	2700.0	91.1	92.4
	112263.0	0.0			2480.0	0.0			2790.0	91.4	92.7
:	2336.0		:		2560.0	0.0	0.0		2880.0	87.2	88.4
•	2409.0	1		7	2640.0	0.0	: :		2970.0	:	90.8
•	[2482.0	•			2720.0	0.0			3060.0	•	91.2
	2555.0				2800.0				3150.0		86.5
•	2628.0	•			2880.0				3240.0		88.2
•	2701.0		•		2960.0			- 1	3330.0		87.3
:	2774.0	1		: :	3040.0		-		3420.0		82.5
•	112847.0	•	•		3120.0				3510.0	•	,
•	2920.0 +	•			3200.0				3600.0		
+ -											
, (DASPL						109.0				124.3

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 6 (PITCH ANGLE: 21.6 DEG)

	+			D.4774					
	1 1			DATA-I	POINT /	RUN			
++	À AC	-7 / +	82	AC	-4 /	80 +	AC	-5 / +	81
HN	F	SPL	SPLA		SPL		, F	SPL	SPLA
1 1	73.0	101.3	78.8	80.0	112.5	90.0	90.0	120.3	101.2
2	146.0	100.9			112.2	, ,	•	•	101.4
3	219.0	0.0	0.0	240.0	104.2	95.6	•	•	108.3
4	292.0	0.0	0.0	320.0	108.0	101.4		•	114.4
5	365.0	0.0	0.0	400.0	99.8	95.0	-	•	104.6
6	438.0	0.0	0.0	480.0	99.0	95.8		•	113.4
1 7 1	511.0	0.0	0.0	•	100.1	96.9	•	•	111.5
8	584.0	0.0	0.0	640.0	96.8	94.9	•	106.4	105.6
9	657.0	0.0	0.0	720.0	79.4	78.6	810.0	:	1111.0
10	730.0	0.0	0.0	800.0	0.0	0.0	900.0	•	109.7
11	803.0	0.0	0.0	880.0	0.0	0.0	990.0	96.6	96.6
12	876.0	0.0	•	960.0	0.0		1080.0	•	106.7
13	949.0	0.0	•	1040.0	0.0		1170.0		103.2
	1022.0	0.0		1120.0	0.0	•	1260.0	97.2	97.8
	1095.0	0.0	,	1200.0	0.0		1350.0	98.5	99.1
	1168.0	0.0	•	1280.0	0.0		11440.0	96.0	97.0
	1241.0	0.0		1360.0	0.0	: :	1530.0	93.2	94.2
: :	1314.0	0.0	•	11440.0	0.0	: :	1620.0	90.6	91.6
: :	1387.0	0.0	•	(1520.0	0.0	•	1710.0	95.6	96.6
:	1460.0	0.0		11600.0	0.0	: :	11800.0	79.3	80.5
	1533.0	0.0	:	11680.0	0.0		1890.0	87.6	88.8
	1606.0	0.0		1760.0	0.0	: :	1980.0	83.5	84.7
	11752.0	0.0	0.0	11840.0	0.0		2070.0	76.7	77.9
	1752.0 1825.0	0.0 0.0	0.0	1920.0 2000.0	0.0 0.0		2160.0 2250.0	0.0 0.0	0.0
	1898.0	0.0	0.0	2080.0	0.0	•	2340.0	0.0	0.0
	1971.0	0.0		2160.0	0.0		12430.0	0.0	0.0
	2044.0	0.0	0.0	2240.0	0.0	•	2520.0	0.0	0.0
	2117.0	0.0	0.0	2320.0	0.0	•	2610.0	0.0	0.0
	2117.0	0.0	0.0	2400.0	0.0		12700.0	0.0	0.0
	2263.0	0.0	0.0	12480.0	0.0		[2790.0	0.0	0.0
	2336.0	•		2560.0	0.0	•	2880.0	0.0	0.0
	2409.0	0.0		2640.0	0.0		2970.0	0.0	0.0
•	2482.0	0.0		2720.0	0.0	: :	3060.0	0.0	0.0
	2555.0	0.0	0.0	2800.0	0.0	1 :	3150.0	0.0	0.0
1 1	2628.0	0.0	0.0	2880.0	0.0		3240.0	0.0	0.0
1 1	2701.0	0.0		2960.0	0.0	•	3330.0	0.0	0.0
	2774.0	0.0		3040.0	0.0		3420.0	•	0.0
	2847.0			3120.0	0.0	•	3510.0	•	0.0
•	2920.0			3200.0		0.0	3600.0	0.0	0.0
++				+					
+				+					
			88.0	 -+		106.1			120.5
+		r				++	+	T	* - +

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 7 (PITCH ANGLE: 21.6 DEG)

		+	-		-	DATA-	POINT /	RUN			-
+-	+	AC	-7 / +	82 +		AC	-4 / +		AC	-5 / +	81
 +-	HN	F	SPL	SPLA		F +	SPL	SPLA		SPL	SPLA
İ	1		100.9	-	Ì	•	105.2	: :		118.1	99.0
!	2	146.0	0.0	•		•	0.0	0.0		0.0	0.0
	3	•	0.0	•		•	0.0	0.0	•	0.0	0.0
1	4	•	0.0	•		•	0.0	0.0	•	•	0.0
!	5 6	•	0.0	•		•	0.0	0.0	•	0.0	0.0
l i	!	438.0	0.0	•	1	•	0.0	0.0	•	! 0.0	
	_ :	511.0	0.0		:	:	0.0 0.0	0.0 0.0			0.0
1	_ :	584.0	0.0					0.0			0.0
	9	:	0.0 0.0		1	:	0.0	0.0	:	0.0	0.0
1	11		0.0	0.0	ł	880.0	0.0	: :	990.0	0.0	0.0
ŀ	12	876.0	0.0	0.0	1	960.0	0.0		1080.0	0.0	0.0
í	13	949.0	0.0	•		1040.0	0.0	:	1170.0	0.0	0.0
ì		1022.0	0.0	•	•	1120.0	0.0		1260.0	0.0	0.0
j		1095.0	0.0	•	•	1200.0	0.0		1350.0	0.0	0.0
i		1168.0	0.0	•	•	1280.0	0.0	•	1440.0	0.0	0.0
i		1241.0	0.0		•	1360.0	0.0		1530.0	0.0	0.0
i		1314.0	0.0	•	•	1440.0	0.0		1620.0	0.0	0.0
İ		1387.0	0.0	0.0	Ĺ	1520.0	0.0		1710.0	0.0	0.0
ĺ	20	1460.0	0.0	0.0	Ì	1600.0	0.0	0.0	1300.0	0.0	0.0
į	21	1533.0	0.0	0.0	H	1680.0	0.0	0.0	1890.0	0.0	0.0
1	22	1606.0	0.0	0.0		1760.0	0.0	0.0	1980.0	0.0	0.0
1	23	1679.0	0.0	0.0		1840.0	0.0	0.0	2070.0	0.0	0.0
1	24	1752.0	0.0	0.0	11	1920.0	0.0	0.0	2160.0	0.0	0.0
1	25	1825.0	0.0	0.0		2000.0	0.0	0.0	2250.0	0.0	0.0
1	26	1898.0	0.0			2080.0	0.0	0.0	2340.0	0.0	0.0
1	27	1971.0	0.0			2160.0	0.0		2430.0	0.0	0.0
1	,	2044.0	0.0	•		2240.0	0.0	,	[2520.0	0.0	0.0
		2117.0	0.0			2320.0	0.0	,	2610.0	0.0	0.0
•		2190.0	0.0			2400.0	0.0	,	2700.0	0.0	0.0
•		2263.0	0.0	•		2480.0	0.0		2790.0	0.0	0.0
		2336.0				2560.0			12880.0		0.0
•		2409.0	•			2640.0		: :	2970.0		0.0 [
•		2482.0				2720.0			3060.0	1	0.0
-	-	2555.0			: :	2800.0			3150.0 -		0.0
		2628.0				2880.0 			3240.0	0.0	0.0
		2701.0		•		2960.0 3040.0			3330.0 3330.0	} 0.0 0.0	0.0
		2774.0 2847.0			: :	[3040.0]			3420.0 3510.0	:	0.0 0.0
		[2920.0]		•		[3120.0]			3310.0 2600.0		0.0
		2920.0 +									. ,
+-		· 									
İ		ASPL									99.0 [
<u>+</u> -											,

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DE RE 2E-5 PA

SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 9 (PITCH ANGLE: 21.6 DEG)

	•	 			-	DATA-	POINT /	RUN			+
+	.+-	AC:	-7 / +	82 +	+	AC	-4 / +	80 ++	AC	-5 / +	81 ++
HN	İ	F	SPL	SPLA	1	, F	SPL	SPLA	F	SPL	SPLA
1 1	Í.	•	105.0	82.5	į	•	110.0	87.5	•	1113.6	94.5
2	-	•	101.0	87.6	ļ	•	106.6	:	•	•	100.4
3	1		96.0	85.1		240.0	106.1	97.5		118.6	110.0
4			101.5	94.9	ļ	320.0	108.5	101.9	360.0		111.7
5	1	365.0	97.4	92.6	!	400.0	103.3	98.5	450.0		111.9
6	1	438.0	92.5	87.7]	480.0	103.7	100.5	540.0	117.1	113.9
1 7		511.0	91.9	88.7	ļ	560.0	103.5	100.3	630.0	115.0	113.1
8		584.0	89.4	87.5	ļ	640.0	100.0	98.1	720.0	1114.7	1113.9
9]	657.0	87.1	85.2		720.0	98.6	97.8	810.0	1116.2	1115.4
10	()	730.0	82.7 82.3	81.9	1	800.0	97.8	97.0	900.0	1112.8	1112.8
11 12	1	803.0 876.0	82.3 78.3	81.5		880.0 960.0	93.9	93.1 92.6	990.0 1080.0	112.7 113.4	112.7 113.4
12	1	949.0	73.0	77.3 73.0	i	1040.0	93.6	92.6 93.6	•	•	1112.8
1 14		1022.0	0.0	0.0	1	1120.0	89.3		•	•	1109.6
15		1095.0	0.0	0.0	1	1200.0	86.0	•	•	•	1111.4
16	•	1168.0	0.0	0.0	•	1280.0	84.7		•	•	110.0
17	-	1241.0	0.0	0.0	•	1360.0	84.5		•	•	107.4
18		1314.0	0.0	0.0		1440.0	77.3		•	•	107.6
19	•	1387.0	0.0	0.0	•	1520.0	0.0		:		105.5
20		1460.0	0.0	0.0	•	1600.0	0.0	: :	1800.0		104.4
21	- : :	1533.0	0.0	0.0	•	1680.0	0.0		1890.0	103.4	104.6
22		1606.0	0.0	0.0		1760.0	0.0	: :	1980.0	:	100.5
23		1679.0	0.0	0.0	•	1840.0	0.0	: :	2070.0		102.2
24		1752.0	0.0	0.0	•	1920.0	0.0	•	2160.0	:	102.5
25		1825.0	0.0	0.0	İ	2000.0	0.0	0.0	2250.0	92.9	94.2
26	H	1898.0	0.0	0.0	1	2080.0	0.0	0.0	2340.0	99.4	100.7
27		1971.0	0.0	0.0	Ì	2160.0	0.0	0.0	2430.0	97.8	99.1
28		2044.0	0.0	0.0		2240.0	0.0	0.0	2520.0	95.0	96.3
29	$ \cdot $	2117.0	0.0	0.0	1	2320.0	0.0	0.0	2610.0	96.9	98.2
30		2190.0	0.0	0.0		2400.0	0.0	•	2700.0	95.1	96.4
•		2263.0	0.0	•	•	2480.0	0.0		2790.0	95.2	96.5
		2336.0			•	2560.0	0.0	:	2880.0		. :
		2409.0	0.0			2640.0	0.0	: :	2970.0	94.1	95.3
:	- : :	2482.0	0.0		- 1	2720.0	0.0		3060.0	•	!
•		2555.0	0.0		•	2800.0	0.0	•	3150.0	1	95.8
	- 1 1	2628.0	0.0		•	2880.0	0.0		3240.0	•	95.5
		2701.0			•	2960.0		•	3330.0	:	
1		2774.0			•	3040.0			3420.0	•	94.3
•	٠.	2847.0			•	3120.0			3510.0	•	•
		2920.0				3200.0			3600.0 		
+	- -								+		
(04										124.6
									 +		
,			1	·	, 1		,	. — - т	•		•

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 1 (PITCH ANGLE: 20.7 DEG)

	!			-	DATA-	POINT /	RUN			
.	BC	-1 /		1	BC	-2 /	,	BC	-3 /	75 +
HN	F	SPL		•	•	SPL		•	SPL	SPLA
•		100.3	•	İ	•	104.1	: :	•	109.2	86.7
2	1 1	91.8	75.7	:	•	96.7	80.6	•	106.4	93.0
: .	180.0	79.9	1	ļ	•	95.9	85.0	:	103.5	94.9
4	240.0	78.0	69.4	!	280.0	90.7	82.1		99.7	93.1
5	300.0	69.7	63.1	1	350.0	84.5	77.9	400.0	99.3	94.5
6	360.0	63.0	58.2	[420.0	79.2	: :	480.0	92.4	89.2
7	420.0	61.7	56.9	ļ	490.0	69.8	•	560.0	89.5	86.3
8	480.0	49.9	46.7	ŀ	560.0	68.3	:	640.0	84.9	83.0
•	1 540.0	0.0		ļ	,	52.6	: :	720.0	82.8	82.0
•	600.0	0.0	•	ļ	•	0.0	•	800.0	83.2	82.4 73.8
•	660.0	0.0		 	•	0.0	0.0		76.8	75.8
	720.0 780.0	0.0			•	0.0 0.0	• •	960.0 1040.0	70.9	70.8
•	[840.0	0.0	Ĭ	1		(0.0		1120.0	61.5	61.5
	900.0	0.0	-	•	1050.0	0.0	•	1200.0	44.6	45.2
16	960.0	0.0	-	•	1120.0	0.0		1280.0	0.0	0.0
	[[1020.0	0.0		•	1190.0	0.0		1360.0	0.0	0.0
:	1080.0	0.0	•	•	1260.0	0.0		1440.0	0.0	0.0
	1140.0	0.0	:		1330.0	0.0		1520.0	0.0	0.0
•	1200.0	0.0	•	•	1400.0	0.0		1600.0	0.0	0.0
•	1260.0	0.0	•	•	1470.0	0.0	1 :	1680.0	0.0	0.0
•	1320.0	0.0	•	•	1540.0	0.0		1760.0	0.0	0.0
•	1380.0	0.0	-		1610.0	0.0		1840.0	0.0	0.0
	1440.0	0.0			1680.0	0.0	: :	1920.0	0.0	0.0
-	1500.0	0.0		-	1750.0	0.0		2000.0	0.0	0.0
	1560.0	0.0	-	•	1820.0	0.0		2080.0	0.0	0.0
•	[]1620.0	0.0	-		1890.0	0.0		2160.0	j 0.0	0.0
	1680.0	0.0		•	1960.0	0.0		2240.0	0.0	0.0
•	1740.0	0.0	•	•	2030.0	0.0		2320.0	0.0	0.0
30	1800.0	0.0			2100.0	0.0	0.0	2400.0	0.0	0.0
	1860.0	0.0			2170.0	0.0		2480.0	0.0	0.0
32	1920.0	0.0	0.0	1	2240.0	0.0		2560.0		0.0
-	1980.0	•	:	•	2310.0	•	0.0	2640.0	0.0	0.0
•	112040.0	Ξ .		:	2380.0	•		2720.0	-	
•] 2100.0				2450.0			2800.0	:	0.0
•	2160.0	•		1	2520.0	•		2880.0	•	
	2220.0	:			2590.0			2960.0	1	0.0
•	2280.0	•			2660.0	•		3040.0	:	
	2340.0			-	2730.0	•		3120.0	•	:
•	2400.0	•			•	•		3200.0		, ,
+	++	•						+		
 (101.0					88.8			100.9
•										

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 2 (PITCH ANGLE: 20.7 DEG)

		+ 			-	DATA-	POINT /	RUN			
+	+-	BC	-1 /	77 +	1	•	-2 /	76	BC	-3 /	75 +
HN	1	, F	SPL	•		•	SPL	SPLA	F	SPL	SPLA
:	İ	•	101.4		İ	•	106.4	•	: :	108.5	86.0
2	ļ	120.0	97.5	81.4	ļ	1	104.7	88.6	160.0	•	97.5
:	ļ	Ī	92.7	81.8		210.0	100.0	89.1		107.8	99.2
•	ļ	•	84.2	75.6	1	280.0	95.8	87.2		105.4	98.8
Ī	ļ	•	78.3	71.7	}	350.0	92.2	85.6		103.1	98.3
Ĭ	ļ	:	73.1	68.3	1	420.0	87.9	83.1	•	•	101.0
1	ļ	•	63.9	59.1	1	490.0	85.2	82.0		101.4	98.2
	!	•	60.9	57.7	!	560.0	80.5	, ,	640.0	97.7	95.8
9	ļ	ı	50.3	47.1	1	630.0	73.4	•	720.0	93.6	92.8
10	ļ	•	0.0	0.0	-	•	70.0	!	800.0	92.9	92.1
•		•	0.0 0.0	0.0	!	770.0 840.0	64.1 62.1		880.0 960.0	92.0 87.2	91.2 87.2
		:	0.0	0.0 0.0	ŀ	910.0	59.5		1040.0	84.7	84.7
	1	: -,	0.0	0.0	1	980.0	49.5		1120.0	80.7	80.7
15	1	900.0	0.0	0.0	1	1050.0	0.0		1120.0	80.7	80.7
1 16	į	960.0	0.0	0.0		1120.0	0.0		1280.0	76.9	77.5
	l	1020.0	0.0	0.0		1120.0	0.0		1360.0	74.3	74.9
1 18	•	1080.0	0.0	0.0	•	1260.0	0.0		1440.0	68.4	69.4
•	•	1140.0	0.0	•	•	1330.0	0.0		1520.0	67.9	68.9
•	•	1200.0	0.0	•		1400.0	0.0		1600.0	63.8	64.8
-	•	1260.0	0.0	•		1470.0	0.0		1680.0	61.8	62.8
-	•	1320.0	0.0	•		1540.0	0.0	,	1760.0	56.2	57.2
-	•	1380.0	0.0	•		1610.0	0.0		1840.0	0.0	0.0
		1440.0	0.0	•	•	1680.0	0.0		1920.0	0.0	0.0
1		1500.0	0.0	•	•	1750.0	0.0		2000.0	0.0	0.0
•	•	1560.0	0.0	•		1820.0	0.0		2080.0	0.0	0.0
	:	1620.0	0.0	•	•	1890.0	0.0		2160.0	0.0	0.0
•	•	1680.0	0.0	0.0		1960.0	0.0		2240.0	0.0	0.0
•	•	1740.0	0.0	0.0		2030.0	0.0		2320.0	0.0	0.0
•	•	1800.0	0.0	,		2100.0	0.0	•	2400.0	0.0	0.0
		1860.0	0.0			2170.0	0.0		2480.0	0.0	0.0
•	•	1920.0	•	•	•	2240.0			2560.0	•	•
		1980.0				2310.0			2640.0		
•		2040.0				2380.0			2720.0		
-		2100.0		-		2450.0			2800.0		: '
36		2160.0	0.0			2520.0			2880.0		
37		2220.0	0.0		1				2960.0		0.0
38		2280.0	0.0	0.0		2660.0	0.0	0.0	3040.0	0.0	0.0
•	•				,			•	3120.0	•	0.0
									3200.0		
									+		
									+		
}	0	ASPL	103.4	85.8			109.5	94.7	1	1115.6	107.6
+					+-+			- +	+		t

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 3 (PITCH ANGLE: 20.7 DEG)

	+ !			٠-	DATA-	POINT /	RUN			
+	 BC	-1 /	77	1		-2 /		BC	-3 /	75 +
HN	F	SPL	SPLA			SPL		F	SPL	SPLA
•		103.3	77.1	į	70.0	107.7	81.5	•	111.4	88.9
	11 120.0	98.5	82.4	1	140.0	105.6	89.5	•	111.4	98.0
•	180.0	93.2	82.3	!	210.0	101.4	90.5		:	101.9
•	11 ^40.0	86.6	78.0	ļ	280.0	97.7	89.1	•		100.2
:	0.00	78.0	71.4	1	350.0	93.1	86.5		:	103.3
•	360.0	78.3	73.5	1	420.0	92.2	87.4		1	102.6
•	420.0	72.0	67.2	1	490.0	87.1	83.9	•	101.5	98.3
:	480.0	61.6	58.4	1	560.0	81.1	77.9	•	•	100.3
•	1 540.0	59.4	56.2	!	630.0	79.5	77.6	720.0	99.9	99.1
10	[600.0	51.2	49.3	1	700.0	75.6	73.7	800.0	97.3	96.5
11	660.0	45.5	43.6	!	770.0	71.4	70.6	880.0	94.1	93.3
•	11 720.0	0.0	0.0		•	67.4	66.6	960.0	93.5	93.5
	780.0 840.0		0.0	1	910.0	64.5		1040.0 1120.0	90.6	90.6
:		0.0	0.0	1	980.0 1050.0	57.2 0.0		1200.0	87.1 84.6	87.1
1 16	900.0 960.0	0.0 0.0	0.0	•	1120.0	0.0	•	1280.0	84.4	85.2 85.0
•	11020.0	0.0	0.0	- :	1120.0	0.0		1360.0	79.7	80.3
•	1080.0	0.0	0.0		1260.0	0.0		11440.0	75.9	76.9
	11140.0	0.0	0.0		1330.0	0.0		1520.0	74.3	75.3
	[[1200.0	0.0	0.0	•	1400.0	0.0		1600.0	71.7	72.7
1	11260.0	0.0	0.0	•	1470.0	0.0		1680.0	67.5	68.5
•	[[1320.0	0.0	0.0		1540.0	0.0		1760.0	63.6	64.6
•	1380.0	0.0	0.7		1610.0	0.0		1840.0	58.7	59.9
	1440.0	0.0	0.0		1680.0	0.0		1920.0	0.0	0.0
•	11500.0	0.0	0.0	- 1	1750.0	0.0		2000.0	0.0	0.0
•	[]1560.0	0.0	0.0	- 1	1820.0	0.0		2080.0	0.0	0.0
1	11620.0	0.0	0.0	- 1	1890.0	0.0		2160.0	0.0	0.0
•	11680.0	0.0	0.0	- 1	1960.0	0.0	:	2240.0	0.0	0.0
29	1740.0	0.0	0.0	İ	2030.0	0.0	0.0	2320.0	0.0	0.0
•	1800.0	0.0	0.0		2100.0	0.0		2400.0	0.0	0.0
•	11860.0	0.0	٥.٥	•	2170.0	0.0		2480.0	0.0	0.0
32	11920.0	0.0	0.0	1	2240.0	0.0		2560.0		0.0
33	11980.0	0.0	0.0	1	2310.0	0.0		2640.0	•	0.0
	[[2040.0]				2380.0			2720.0	•	0.0
35	[[2100.0]	0.0			2450.0			2800.0		0.0
	2160.0				2520.0			2880.0	•	0.0
	[[2220.0]			- 1	2590.0			2960.0	:	0.0
	2280.0				2660.0			3040.0	•	0.0
	[[2340.0				2730.0			3120.0		0.0
•	2400.0 +				2800.0 			3200.0 -+		0.0 +
+		<u> </u>		++	·	+	++	+	+	
	DASPL									110.4

FREQUENCY HZ

CONTROL OF THE PROPERTY OF THE

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 4 (PITCH ANGLE: 20.7 DEG)

	!			DATA-	POINT /	RUN			+ !
+	 BC	-1 /	77 +	BC	-2 /	76	BC	-3 /	75
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
:	: :	104.9	78.7	70.0	109.6	83.4	•	114.8	92.3
	120.0	99.3	83.2	140.0	106.4		•	111.4	98.0
	180.0	93.3	82.4	1 210.0	101.1	90.2	240.0	•	1103.4
	240.0	87.2	78.6	280.0	100.4	•	320.0		[103.0]
5	300.0	81.4	74.8	350.0	94.3	87.7	•	•	[102.4]
6 7	11 360.0	75.1	70.3	420.0	91.5	86.7	480.0	-	102.4
1 8	11 420.0	71.9	67.1	490.0	88.1	84.9	560.0	1	101.5
0	480.0 540.0	63.6 54.2	60.4	560.0 630.0	85.2	82.0 79.0	640.0		101.2
	600.0	0.0	51.0 0.0	1 700.0	j 75.5	73.6	1 720.0	99.5 98.6	98.7 97.8
	660.0	0.0	0.0	1 770.0	72.6	73.0	880.0	96.5	95.7
	720.0	0.0	0.0	840.0	70.0	69.2	960.0	92.3	92.3
	780.0	0.0	0.0	910.0	63.4	63.4	1040.0	91.2	91.2
14	840.0	0.0	0.0	980.0	57.6	. ,	1120.0	89.7	89.7
15	900.0	0.0	-	1050.0	56.7		1200.0	86.6	87.2
	960.0	0.0	•	1120.0	0.0		1280.0	81.7	82.3
1 17	1020.0	0.0	-	11190.0	0.0		1360.0	82.3	82.9
•	[]1080.0	0.0		1260.0	0.0		1440.0	79.5	80.5
1 19	11140.0	0.0		1330.0	0.0	0.0	1520.0	75.4	76.4
20	11200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	72.4	73.4
21	11260.0	0.0	0.0	1470.0	0.0	0.0	1680.0	69.9	70.9
22	1320.0	0.0	0.0	1540.0	0.0	0.0	1760.0	68.2	69.2
23	1380.0	0.0	0.0	1610.0	0.0	0.0	1840.0	64.4	65.6
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1920.0	63.2	64.4
25	1500.0	0.0	0.0	1750.0	0.0	0.0	2000.0	54.2	55.4
26	1560.0	0.0		1820.0	0.0	0.0	2080.0	0.0	0.0
•	1620.0	0.0	0.0	1890.0	0.0		2160.0	0.0	0.0
•	1680.0	0.0		1960.0	0.0	•	2240.0	0.0	0.0
•	1740.0	0.0		2030.0	0.0		2320.0	0.0	0.0
•	11800.0	0.0		2100.0	0.0		2400.0	0.0	0.0
	1860.0	0.0		2170.0	0.0		2480.0	0.0	0.0
	1920.0			2240.0			2560.0		
-	1980.0			2310.0			2640.0		0.0
•	2040.0	0.0		2380.0	•	•	2720.0		0.0
	2100.0	0.0		2450.0		-	2800.0		0.0
•	2160.0 2220.0			2520.0 2590.0	•	•	2880.0 2960.0		0.0
	2220.0 2280.0			12660.0			[3040.0		
•				[2730.0	, ,	•	3120.0		
	[[2340.0 [[2400.0			[2800.0	•	•	,		
	2400.0 								
+				· · -+					
	DASPL	106.2	87.6	1	1112.1	97.4	1	119.3	111.3
+		h		++	+	+	+	+	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 5 (PITCH ANGLE: 20.7 DEG)

	+												
	!					DATA-	POINT /	RU	N				
	-	ВС	-1 /	77	11	ВС	-2 /	76]]	ВС	-3 /	75
+	 ++	<i></i>	-1 / +	// 	•		-2 / +	+		1 1 ++		- <i></i>	,, +
HN	} }	F	SPL	SPLA		F	SPL	S	PLA	11	F	SPL	SPLA
+	++ !!	40.0	+- 106.0	t	 		+ 111 /	+ 1 0	 5 2	++ 	80 0	+ ! 1 1 7 / / /	+ 94.9
1 2	: :		100.4	79.8 84.3	1 1 		111.4 107.3	•	5.2 1.2	}		117.4 112.6	99.2
	1 1	80.0	93.0				99.6	•	8.7	(•	101.8
4		40.0	83.5				99.0	•	0.4) ; 		•	106.8
5	: :	00.0	83.5				98.2	•		11		•	104.4
6	: :	60.0	79.4				91.0	•	6.2	1		102.1	98.9
7	: :	20.0	68.4	63.6	((490.0	84.7	•	1.5		560.0	•	100.8
8	: :	80.0	61.4	58.2		560.0	84.5	•	1.3	ij	640.0	:	101.0
1 9	: :	40.0	58.3	55.1) 	630.0	81.1	•	9.2	ii	720.0	99.1	98.3
10	: :	00.0	47.3	45.4	, i	700.0	76.3	•	4.4	ii	800.0	95.9	95.1
1 11	: :	60.0	0.0	: :			70.4	•	9.6	i	880.0	93.3	92.5
1 12		20.0	0.0	:	ו וו		64.8		4.0	ii	960.0	93.3	93.3
13	: :	80.0	0.0	:	ĺ		62.8			í	1040.0	90.4	90.4
14	: :	40.0	0.0		İ		0.0	•			1120.0	85.7	85.7
15	: :	00.0	0.0	. ,		1050.0	0.0	•			1200.0	84.1	84.7
16	Ì 9	60.0	0.0			1120.0	0.0	i (1280.0	84.3	84.9
j 17	10	20.0	0.0			1190.0	0.0	ì ≀	•	٠.	1360.0	77.2	77.8
Ĭ		80.0	0.0			1260.0	0.0	i (1440.0	75.6	76.6
19	111	40.0	0.0	0.0	Ì	1330.0	0.0	į (0.0 j	İ	1520.0	75.3	76.3
20	1112	00.0	0.0	0.0	H	1400.0	0.0		0.0	1	1600.0	70.1	71.1
21	12	60.0	0.0	0.0	İ	1470.0	0.0	į (0.0	1	1680.0	66.3	67.3
22	13	20.0	0.0	0.0		1540.0	0.0	(0.0	-	1760.0	66.7	67.7
23	13	80.0	0.0	0.0		1610.0	0.0	(0.0		1840.0	62.9	64.1
24	14	40.0	0.0	0.0		1680.0	0.0	1 (0.0	1	1920.0	58.9	60.1
25	15	00.0	0.0	0.0	1	1750.0	0.0	(0.0		2000.0	58.7	59.9
26	15	60.0	0.0	0.0	1	1820.0	0.0	(0.0		2080.0	56.0	57.2
•		20.0	0.0	•		1890.0	0.0	(2160.0	0.0	0.0
•		80.0	0.0	•		1960.0	0.0	(0.0	1:	2240.0	0.0	0.0
29	17	40.0	0.0	0.0	ı	2030.0	0.0	(2320.0	0.0	0.0
•		00.0	0.0			2100.0	0.0	•	•	•	2400.0	0.0	0.0
•		60.0	0.0			2170.0	0.0	•		- 1	2480.0	0.0	0.0
1		20.0				2240.0	0.0				2560.0		
•		80.0	0.0			2310.0	0.0				2640.0	0.0	0.0
7	: :	40.0	0.0	:	-	2380.0	0.0			- 1	2720.0	0.0	0.0
	: :	00.0	0.0		•	2450.0	0.0			- 1	2800.0		0.0
		60.0		•	•	2520.0	0.0				2880.0		0.0
	: :	20.0				2590.0	•				2960.0		0.0
Ī		80.0				2660.0					3040.0	,	0.0
•			0.0	•		2730.0			-		3120.0		
•		00.0				2800.0							
+													
•	DASP	Ն	107.3	88.0	1	!	113.3	97	7.6	1	I	120.9	111.8
+									. +	+.			

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 6 (PITCH ANGLE: 20.7 DEG)

				DATA-I	POINT /	RUN			
+	 E	C-1 /	_	BC-	-2 /	76	BC	-3 /	75
HN	F	SPL		• •	SPL	SPLA) 	SPL	SPLA
1	[[60.0	•	•	70.0	59.7	33.5	80.0	58.3	35.8
•	120.0	•	•	140.0	0.0	:	160.0	51.4	38.0
•	11 180.0	•	•	210.0	0.0		240.0	49.4	40.8
1 4	11 240.0		•	280.0	0.0	: :	320.0	0.0	0.0
5	; 300.0	•	!	350.0	0.0	: :	1 400.0	0.0	0.0
	360.0		:	420.0	0.0	0.0	480.0	0.0	0.0
	420.C	•	36.2	490.0	0.0	0.0	560.0	0.0	0.0
:	480.0 540.0	•	0.0	560.0 630.0	0.0		640.0	0.0	0.0
! .	540.0 600.0	•	•	630.0 700.0	0.0		720.0 800.0	0.0	0.0
	660.0	•	0.0		0.0	: :	1 880.0	0.0	0.0 0.0
•		•	!		0.0	:	960.0	0.0	0.0
•	[•	:	1 910.0	0.0	•	1040.0	0.0	0.0
•	840.0	•	0.0	980.0	0.0		1120.0	0.0	0.0
:	11 900.0	•	1	1050.0	0.0		1200.0	0.0	0.0
	960.0	•	•	11120.0	0.0		1280.0	0.0	0.0
•	1020.0	•	•	1120.0	0.0		1360.0	0.0	0.0
•	11080.0	•	•	1260.0	0.0		1440.0	0.0	0.0
•	11140.0	•	•	1330.0	0.0		1520.0	0.0	0.0
:	11200.0			1400.0	0.0		1600.0	0.0	0.0
•	1260.0	•	•	1470.0	0.0	•	1680.0	0.0	0.0
•	11320.0	•	•	1540.0	0.0		1760.0	0.0	0.0
•	1380.0	•	•	1610.0	0.0		1840.0	0.0	0.0
•	1440.0		•	1680.0	0.0		1920.0	0.0	0.0
25	11500.0	j 0.0	•	1750.0	0.0	0.0	2000.0	0.0	0.0
26	1560.0	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1620.0	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	11680.0	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1740.0	0.0	0.0	[[2030.0]	0.0	0.0	2320.0	0.0	0.0
•	1800.0	•	•	2100.0	0.0		2400.0	0.0	0.0
31	[[1860.0	0.0	0.0	[[2170.0]	0.0	0.0	2480.0	0.0	0.0
	1920.0		•	2240.0			2560.0	•	:
•	1980.0	•	-	2310.0			2640.0	•	0.0
•	12040.0	•	:	[2380.0]			2720.0	•	0.0
	2100.0	:	•	2450.0		•	2800.0	:	0.0
•	2160.0	•	:	2520.0			2880.0	:	0.0
•	2220.0	•	•	2590.0			[2960.0	•	:
		0.0		2660.0			3040.0		•
*	• •	•		2730.0					-
				2800.0					
				+++ ++					
(DASPL	65.7	50.9		59.71	33.5	1	59.5	43.4

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 7 (PITCH ANGLE: 20.7 DEG)

	-	+ !			DATA-	POINT /	RUN			<u>-</u>
+	 + -	 BC	-1 /		BC	-2 /	76	BC	-3 /	75 +
HI	N İ	F	SPL			SPL	SPLA	F	SPL	SPLA
•	1	•	103.9	77.7	: :	109.9	83.7	•	115.6	93.1
	2	120.0	93.0	76.9	140.0	98.8	82.7	160.0	106.9	93.5
:	3	180.0	83.3	•	210.0	92.7	81.8	240.0	104.5	95.9
•	4 5	240.0 300.0	74.0 62.0	65.4 55.4	280.0 350.0	78.8 0.0	70.2 0.0	320.0	96.3 89.8	89.7 85.0
•	5 6	360.0	65.1		330.0	0.0	1 0.0 I	480.0	83.0	63.0 79.8
•	7 7	:	54.8	:	490.0	0.0	0.0	560.0	83.0	79.8
	8	480.0	0.0	:	560.0	0.0	: : :	640.0	76.6	74.7
	9 ¦	540.0	0.0	0.0	630.0	0.0	0.0	720.0	72.4	71.6
1		600.0	0.0	•	700.0	0.0	0.0	800.0	71.7	70.9
		660.0	0.0	:	770.0	0.0		880.0	71.8	71.0
1		720.0	0.0	0.0	840.0	0.0	: :	960.0	60.9	60.9
1	3	:	0.0	0.0	910.0	0.0		1040.0	0.0	0.0
1 14	4 j		0.0	0.0	980.0	0.0	•	1120.0	0.0	0.0
1 15	5 į	900.0	0.0	0.0	1050.0	0.0	:	1200.0	0.0	0.0
1 10	6	960.0	0.0	0.0	11120.0	0.0	0.0	1280.0	0.0	0.0
1 1	7	1020.0	0.0	0.0	1190.0	0.0	0.0	1360.0	0.0	0.0
1 18	8	1080.0	0.0	0.0	1260.0	0.0	0.0	1440.0	0.0	0.0
19		1140.0	0.0	0.0	1330.0	0.0	0.0	1520.0	0.0	0.0
20	0 [1200.0	0.0	0.0	1400.0	0.0	0.0	1600.0	0.0	0.0
2	•	1260.0	0.0		1470.0	0.0		1680.0	0.0	0.0
22		1320.0	0.0		1540.0	0.0		1760.0	0.0	0.0
2:		1380.0	0.0	•	1610.0	0.0		1840.0	0.0	0.0
24		1440.0	0.0		1680.0	0.0		1920.0	0.0	
2.5		1500.0	0.0	•	1750.0	0.0		2000.0	0.0	0.0
26		1560.0	0.0		1820.0	0.0		2080.0	0.0	0.0
27		1620.0	0.0		1890.0	0.0		2160.0	0.0	0.0
28		1680.0	0.0		1960.0	0.0		2240.0	0.0	0.0
1 30		1740.0 1800.0	0.0 0.0	0.0 0.0	2030.0 2100.0	0.0 0.0	0.0 0.0	2320.0 2400.0	0.0 0.0	0.0 0.0
31		1860.0	0.0	0.0	2170.0	0.0		2480.0	0.0	0.0
•		1920.0			2240.0	0.0		2560.0	•	
		1980.0			2310.0	0.0		2640.0		
•		2040.0			2380.0			2720.0		
-		2100.0			2450.0	0.0	,	2800.0	•	
		2160.0			2520.0			2880.0	•	:
	1 1	2220.0			2590.0			2960.0		
		2280.0			2660.0			3040.0	•	
		2340.0			2730.0			-		•
					12800.0					
			+		+		·+	+	+	· +
+			104.3 +		+		87.7 ++			99.9 ++

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

(PITCH ANGLE: 20.7 DEG) MICROPHONE: MP 9

	+				-	DATA-	POINT /	RUN	-		*****	
+		BC-	-1 /	77	1	BC	-2 /	76		BC	-3 /	75
HN		F	SPL	SPLA	<u>.</u>	F	SPL	SPLA	 -	, F	SPL	SPLA
1 1			106.3	80.1	•	•	109.0	82.8	ļ	•	114.4	91.9
•			99.3	83.2	1	•	106.6	90.5	ŀ	•	108.5	95.1
			92.5	81.6	1	210.0	97.1	86.2	ŀ	•	•	100.5
4	1 1	240.0	82.2	73.6	ļ	280.0	101.2	92.6	1	•	1	104.0
1 5		300.0 360.0	83.4 77.5	76.8	1	350.0	96.1	89.5	ì	•	105.7	100.9
1 7	1 1	420.0	70.0	72.7 65.2	1	420.0	87.5 86.3	82.7 83.1	! !	•	104.0	100.8
8	}	480.0	61.8		1		85.1	81.9) }	640.0	104.7	101.5 98.1
1 9	11	540.0	0.0	:	1		80.0	78.1	l l	720.0	97.3	96.5
10	1 1	600.0	0.0	0.0	l l	700.0	74.9	73.0	!	800.0	97.9	90.5
111		660.0	0.0	0.0	l	770.0	74.5	73.7	1	880.0	94.8	94.0
12		720.0	0.0	0.0	i	840.0	69.5	68.7	i I	960.0	88.9	88.9
1 13		`	0.0		ì		63.8	•	l	1040.0	91.5	91.5
1 14	H		0.0	0.0		980.0	57.7	•	•	1120.0	86.5	86.5
15			0.0	:		1050.0	0.0	•	•	1200.0	86.5	87.1
16	ii		0.0	•	•	1120.0	0.0	•	•	1280.0	81.1	81.7
		1020.0	0.0			1190.0	0.0	•	•	1360.0	79.0	79.6
18		1080.0	0.0	•	•	1260.0	0.0	•	•	1440.0	79.1	80.1
19		1140.0	0.0	•	:	1330.0	0.0	•	:	1520.0	75.1	76.1
20		1200.0	0.0	•	:	1400.0	0.0	•	•	1600.0	71.3	72.3
1 21		1260.0	0.0	•		1470.0	0.0	·		1680.0	70.8	71.8
22		1320.0	0.0	•	•	1540.0	0.0		:	1760.0	68.2	69.2
23		1380.0	0.0	•	•	1610.0	0.0		•	1840.0	63.0	64.2
24		1440.0	0.0	•		1680.0	0.0		•	1920.0	57.7	58.9
25		1500.0	0.0	•	•	1750.0	0.0		•	2000.0	0.0	0.0
26		1560.0	0.0	•	•	1820.0	0.0	0.0	İ	2080.0	0.0	0.0
27	П	1620.0	0.0	0.0	Ì	1890.0	0.0	0.0	ĺ	2160.0	0.0	0.0
28	H	1680.0	0.0	0.0		1960.0	0.0	0.0		2240.0	0.0	0.0
29	H	1740.0	0.0	0.0	H	2030.0	0.0	0.0	{	2320.0	0.0	0.0
30	11	1800.0	0.0	0.0		2100.0	0.0	0.0	l	12400.0	0.0	0.0
•		1860.0	0.0			2170.0	0.0		•	2480.0	0.0	0.0
		1920.0				2240.0	0.0			2560.0		
33	11	1980.0	0.0			2310.0	0.0			2640.0		0.0
•	: :	2040.0			٠,	2380.0	0.0		•	2720.0		•
•		2100.0		•		2450.0	0.0			2800.0		
•		2160.0		-		2520.0	0.0			2880.0		
		2220.0				2590.0	0.0			2960.0		:
•		2280.0		•		2660.0				3040.0		
		2340.0				2730.0				3120.0		
										3200.0		
+	++									+		
+										+		
		SPL	107.3	87.4	1					 +		110.1
+					-1						r	

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 1 (PITCH ANGLE: 20.7 DEG)

	,	+ !			DATA-	POINT /	RUN			+
+	-	 BC-	-7 /	74	BC	-4 /	73	BC	-5 /	72 +
H	IN	F +	SPL	SPLA	, F	SPL	SPLA	F	SPL	SPLA
1	1	•	85.9	55.7	70.0	102.2		•	108.2	85.7
!	2	:	81.1	62.0	140.0	94.9		•	106.2	92.8
ļ	3	•	70.8	•	210.0	95.4	!!!	•	103.2	94.6
- !	4		0.0	0.0	280.0	89.0	80.4	320.0	99.5	92.9
!	5	•	0.0	0.0	350.0	84.9	78.3	400.0	99.2	94.4
ļ.	6		0.0	0.0	420.0	78.2	73.4	480.0	92.8	89.6
1	7	1	0.0	0.0	490.0	72.6	69.4	560.0	89.5	86.3
	8		0.0		560.0	65.9	62.7	640.0	84.9	83.0
1 1	9 0		0.0 0.0	:	630.0 700.0	56.4 0.0	54.5 0.0	720.0	84.1	83.3 82.0
•	.0	:	0.0	•	770.0	0.0	0.0	880.0	75.5	32.0
•	2	:	0.0	•	770.0	0.0	0.0	960.0	75.9	74.7
	3	!	0.0	0.0	910.0	0.0		1040.0	70.0	70.0
•	4	:	0.0		980.0	0.0		1120.0	55.0	55.0
	5		0.0	•	1 1050.0	0.0		1200.0	0.0	0.0
	6		0.0	•	1120.0	0.0	: :	1280.0	0.0	0.0
	7	861.9	0.0		1190.0	0.0	•	1360.0	0.0	0.0
•	8	912.6	0.0	•	1260.0	0.0		1440.0	0.0	0.0
:	9	963.3	0.0		1330.0	0.0	: :	1520.0	0.0	0.0
•		1014.0	0.0		1400.0	0.0		1600.0	0.0	0.0
j 2	•	1064.7	0.0	•	1470.0	0.0	: :	1680.0	0.0	0.0 j
j 2		1115.4	0.0		1540.0	0.0	: :	1760.0	0.0	0.0
j 2	23	1166.1	0.0	0.0	1610.0	0.0	0.0	1840.0	0.0	0.0
j 2	4	1216.8	0.0	0.0	1680.0	0.0	0.0	1920.0	0.0	0.0
2	5	1267.5	0.0	0.0	1750.0	0.0	0.0	2000.0	0.0	0.0
2	6	1318.2	0.0	0.0	1820.0	0.0	•	2080.0	0.0	0.0
2	7	1368.9	0.0	0.0	1890.0	0.0	0.0	[2160.0	0.0	0.0
2	•	1419.6	0.0	0.0	1960.0	0.0		2240.0	0.0	0.0
•	•	1470.3	0.0		2030.0	0.0	• .	2320.0	0.0	0.0
•		1521.0	0.0		2100.0	0.0		2400.0	0.0	0.0
•		1571.7	0.0		2170.0	0.0		2480.0	0.0	0.0
- 1	- 1	1622.4			2240.0			2560.0		: :
		1673.1			2310.0		:	2640.0	:	: :
		1723.8			2380.0	-		2720.0	*	:
•		1774.5			2450.0	0.0		2800.0		
	-	1825.2			2520.0	0.0		12880.0		
•	-	1875.9 1926.6			2590.0 2660.0	0.0	: :	2960.0 3040.0	:	
•	-	1977.3			2660.0 2730.0	•	1 :	3120.0		: :
,					•	•	•	3200.0		: :
•					•	•		+		. ,
+			•			•		+		
1				64.0			87.8			100.7
÷								÷		

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 2 (PITCH ANGLE: 20.7 DEG)

	† !			-	DATA-1	POINT /	RUN			+
+	 BC	-7 / +	74 +	1	BC	-4 /	73	BC	-5 / +	72 +
HN	F	SPL	SPLA	1	F +	SPL	SPLA	j F	SPL	SPLA
1 1	50.7	91.0	60.8	İ	•	105.7	79.5	:	108.3	85.8
2	101.4	85.8	66.7	1	140.0	103.5	87.4		110.1	96.7
•	152.1	75.1	61.7	ļ	210.0	99.9	89.0	*	107.8	99.2
	202.8 253.5	70.0 53.6	59.1 45.0	1	280.0 350.0	96.5 91.7	87.9 85.1	•	105.3 102.9	98.7 98.1
) 5 } 6	233.3	0.0	0.0	!		88.3	83.5	•	•	100.8
1 7	354.2	0.0	0.0			84.7	81.5	•	104.0	97.6
•	1 405.6	0.0	0.0	1		79.3	: :	640.0	97.6	95.7
•	456.3	0.0	0.0		630.0	74.1	72.2	720.0	93.4	92.6
	507.0	0.0	0.0	i	700.0	68.5	::	800.0	92.8	92.0
	557.7	0.0	0.0	i	770.0	67.9	67.1	880.0	92.0	91.2
12	608.4	0.0	0.0	i	840.0	64.5	63.7	960.0	87.2	87.2
13	659.1	0.0	0.0	i	910.0	56.9	56.9	1040.0	84.5	84.5
14	709.8	0.0	0.0	İ	980.0	0.0	0.0	1120.0	81.1	81.1
15	760.5	0.0	0.0	İ	1050.0	0.0	0.0	1200.0	80.3	80.9
16	811.2	0.0	0.0	Į	1120.0	0.0	0.0	1280.0	77.8	78.4
17	861.9	0.0	0.0	•	1190.0	0.0		1360.0	73.7	74.3
18	912.6	0.0	0.0	•	1260.0	0.0		1440.0	69.8	70.8
19	11 963.3	0.0	0.0	•	1330.0	0.0		1520.0	68.0	69.0
20	1014.0	0.0	0.0	•	1400.0	0.0		1600.0	64.2	65.2
•	11064.7	0.0	0.0	•	1470.0	0.0	•	1680.0	61.4	62.4
•	1115.4	0.0	0.0	•	1540.0	0.0	•	1760.0	0.0	0.0
•	11166.1	0.0	0.0	•	1610.0	0.0		11840.0	0.0	0.0
•	1216.8	0.0	0.0	•	1680.0	0.0		1920.0	0.0	0.0
	11267.5	0.0	0.0	•	1750.0	0.0		2000.0	0.0	0.0
-	1318.2 1368.9	0.0	0.0		1820.0 1890.0	0.0		2080.0 2160.0	0.0 0.0	0.0 0.0
-	11419.6	0.0	0.0	•	1960.0	0.0		2240.0	0.0	0.0
	11470.3	0.0	0.0		2030.0	0.0		2320.0	0.0	0.0
	1521.0	0.0	0.0		2100.0	0.0		2400.0	0.0	0.0
•	1571.7	0.0	0.0		2170.0	0.0		2480.0	0.0	i o.o i
•	1622.4			,	2240.0			2560.0	•	i 0.0 i
	1673.1				2310.0			2640.0		: :
34	1723.8	0.0			2380.0			2720.0	0.0	0.0
-	1774.5		0.0	1	2450.0	0.0		2800.0	•	0.0
•	1825.2	•		•	2520.0			2880.0		0.0
•	1875.9	•			2590.0			2960.0		0.0
	1926.6				2660.0			3040.0		0.0
	1977.3			•				3120.0		0.0
	2028.0				2800.0			3200.0		0.0
+								+		
i (İ		
		·		+			· 	+	+	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 3 (PITCH ANGLE: 20.7 DEG)

	† <u>-</u>			DATA-1	POINT /	RUN			 !
+	BC	-7 /	74	BC	-4 /	73	BC	-5 / 	72 +
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1	50.7	90.9	!	70.0	77.3	51.1	80.0	71.0	48.5
:	101.4	86.3	•	140.0	74.9	58.8	160.0	70.3	56.9
3	152.1	75.5	62.1	210.0	70.5	59.6	240.0	69.6	61.0
4	202.8	68.7 62.3	57.8	280.0 350.0	66.9 63.4	58.3 5 6.8	320.0	66.3 67.6	59.7 62.8
5 6	253.5 304.2	0.0	53.7 0.0	420.0	62.0	57.2	480.0	65.2	62.8 62.0
1 7	1 354.9	0.0	:	420.0	56.7	53.5	560.0	61.4	58.2
1 8	405.6	0.0	0.0	560.0	51.8	48.6	640.0	61.8	59.9
9	456.3	0.0	:	630.0	49.8	47.9	720.0	59.7	58.9
10	507.0	0.0	0.0	700.0	46.7	44.8	800.0	56.9	56.1
111	1 557.7	0.0		770.0	42.6	: :	880.0	54.2	53.4
j 12	608.4	0.0	0.0	840.0	35.7	34.9	960.0	53.6	53.6
13	659.1	0.0	0.0	910.0	34.6	34.6	1040.0	50.7	50.7
14	709.8	0.0	0.0	980.0	31.1	31.1	1120.0	47.0	47.0
15	760.5	0.0		1050.0	0.0	0.0	1200.0	44.6	45.2
16	811.2	0.0	•	1120.0	0.0		1280.0	44.5	45.1
17	861.9	0.0	•	1190.0	0.0	: '	1360.0	39.9	40.5
18] 912.6	0.0	•	1260.0	0.0	: :	1440.0	36.4	37.4
19	963.3	0.0	•	1330.0	0.0	: :	1520.0	34.8	35.8
20	1014.0	0.0	•	1400.0	0.0	: :	11600.0	31.8	32.8
21	1064.7	0.0	•	1470.0	0.0	•	1680.0 1760.0	28.4	29.4 24.3
22	1115.4 1166.1	0.0	•	1540.0 1610.0	0.0	:	1840.0	0.0	0.0
24	1216.8	0.0	•	1680.0	0.0	• •	1920.0	0.0	0.0
•	1210.5	0.0		1750.0	0.0		2000.0	0.0	0.0
	1318.2	0.0	•	1820.0	0.0		2080.0	0.0	0.0
	1368.9	0.0	•	1890.0	0.0	: :	2160.0	0.0	0.0
-	1419.6	0.0	•	1960.0	0.0	: :	2240.0	0.0	i o.o i
29	1470.3	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1521.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1571.7	0.0		2170.0	0.0		2480.0	0.0	0.0
32	1622.4	0.0		2240.0	0.0		2560.0		0.0
	11673.1			2310.0	0.0	•	2640.0		: : :
	1723.8			2380.0	0.0		2720.0		: :
	1774.5			2450.0	0.0	:	2800.0		:
•	11825.2			2520.0			2880.0		: : :
	1875.9			2590.0 2660.0	0.0		2960.0		:
•	1926.6 1977.3			2660.0 2730.0		:	3040.0		: :
-				[2800.0		•			
•	2020.0 		= -						
+		+	+	+		++	+	+	++
•			,			65.9	•		69.9
+				++		++	+		+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 4 (PITCH ANGLE: 20.7 DEG)

				DATA-	POINT /	RUN			
4	 BC	-7 /	74	BC	-4 /	73	BC	-5 /	72
HN	F	SPL	SPLA	F	SPL	SPLA	 F +	SPL	SPLA
1	50.7	91.4	61.2	: :	109.0	82.8		114.3	91.8
2	101.4	84.3	65.2	140.0	105.6	89.5	•	110.4	97.0
3	152.1	74.9	61.5	210.0	99.8	88.9	240.0	111.1	102.5
1 4	202.8	66.2	55.3	280.0	98.8	90.2	320.0	108.8	1102.2
5	1 253.5	0.0	•	350.0	94.8	88.2	•	106.8	1102.0
6	304.2	0.0	•	420.0	91.8	87.0		•	101.8
7	354.9	0.0	!	11 490.0	87.3	84.1	560.0	•	101.0
8	405.6	0.0	•	560.0	85.0	81.8		•	101.0 98.5
9	1 456.3	0.0	•	630.0 700.0	81.8	79.9 73.0	720.0	99.3	1 90.3
10	507.0 557.7	0.0 0.0	:	700.0 770.0	74.9	70.5	800.0 880.0	96.4	95.6
12	608.4	0.0	:	840.0	70.7	69.9	960.0	92.2	92.2
1 13	659.1	0.0		910.0	64.9		1040.0	91.3	91.3
:	709.8	0.0	•	980.0	58.5	. ,	1120.0	89.8	89.8
1 15	760.5	0.0	•	11050.0	0.0	•	1200.0	86.4	87.0
16	811.2	0.0	•	1120.0	0.0	•	1280.0	81.6	82.2
1 17	861.9	0.0		11190.0	0.0	7	1360.0	82.6	83.2
1 18	912.6	0.0	•	1260.0	0.0	• •	1440.0	79.7	80.7
1 19	963.3	0.0	•	1330.0	0.0		1520.0	75.9	76.9
•	1014.0	0.0		1400.0	0.0	-	1600.0	72.1	73.1
•	1064.7	0.0	•	1470.0	0.0		1680.0	70.5	71.5
•	1115.4	0.0	•	1540.0	0.0		1760.0	68.2	69.2
•	1166.1	0.0	•	1610.0	0.0	•	1840.0	63.7	64.9
•	1216.8	0.0	•	1680.0	0.0	•	1920.0	62.8	64.0
25	1267.5	0.0	0.0	1750.0	0.0	0.0	2000.0	54.5	55.7
26	1318.2	0.0	0.0	1820.0	0.0	0.0	2080.0	0.0	0.0
27	1368.9	0.0	0.0	1890.0	0.0	0.0	2160.0	0.0	0.0
28	1419.6	0.0	0.0	1960.0	0.0	0.0	2240.0	0.0	0.0
29	1470.3	0.0	0.0	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1521.0	0.0	0.0	2100.0	0.0	0.0	2400.0	0.0	0.0
31	1571.7	0.0	0.0	2170.0	0.0		2480.0	0.0	0.0
:	1622.4			2240.0			2560.0		
1	1673.1			2310.0		:	2640.0		: :
•	1723.8			2380.0	:	:	2720.0	:	: :
	1774.5			2450.0	0.0	•	2800.0	•	
•	1825.2			2520.0	0.0		2880.0	:	
•	1875.9			2590.0	Ī .	: :	2960.0	:	: :
•	1926.6			2660.0		•	3040.0		
•	1977.3			2730.0	•	•	3120.0	•	
	2028.0 +			[2800.0					
									
			00.0 	 - 	* * * * * 	, , , , , , , , , , , , , , , , , , ,	 	, } 	,

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 5 (PITCH ANGLE: 20.7 DEG)

	+ !			DATA-	POINT /	RUN			<u>+</u> !
+	BC	-7 / +	74	BC	-4 / +		BC	-5 /	72 ++
HN	F	SPL	SPLA	 F	SPL	SPLA	F	SPL	SPLA
2 3 4 5 6 7 8 9 10 11 12 13 14 15	507.0	90.0 82.0 73.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	62.9 59.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	•	110.2 106.5 97.9 98.1 97.2 89.7 84.4 83.7 81.3 74.7 69.1 66.1 62.2 0.0 0.0	87.0 89.5 90.6 84.9 81.2 80.5 79.4 72.8 68.3 65.3 62.2 0.0	80.0 160.0 240.0 320.0 400.0 480.0 560.0 640.0 720.0 800.0 880.0 960.0 1040.0 1120.0 1200.0 1280.0	116.7 111.9 109.6 112.8 108.3 101.6 103.5 102.4 98.7 95.6 93.1 93.2 90.0 85.6 84.0 84.3	94.2 98.5 101.0 106.2 103.5 98.4 100.3 100.5 97.9 94.8 92.3 92.3 93.2 90.0 85.6 84.6
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	861.9 912.6 963.3 1014.0 1064.7 1115.4 1166.1 1216.8 1267.5 1318.2 1368.9 1419.6 1470.3 1521.0 1571.7 1622.4 1673.1 1723.8 1774.5 1825.2 1875.9 1926.6 1977.3 2028.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1190.0 1260.0 1330.0 1400.0 1470.0 1540.0 1610.0 1680.0 1750.0 1820.0 1890.0 2030.0 2100.0 2240.0 2310.0 2380.0 2450.0 2590.0 2660.0 2730.0 2800.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0	1360.0 1440.0 1520.0 1600.0 1680.0 1760.0 1840.0 1920.0 2000.0 2080.0 2160.0 2240.0 2320.0 2480.0 2560.0 2640.0 2720.0 2880.0 2960.0 3040.0 3120.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0
++	ASPL	+ + 90.7	65.9	++	112.2	+ + 96.6	+	120.2	+ + 111.2

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 6 (PITCH ANGLE: 20.7 DEG)

	†			-	DATA-1	POINT /	RUN			
+	BC	-7 /	74		BC-	-4 /		BC	-5 /	72 +
HN	F	SPL	SPLA	 -	F +	SPL	•	-	SPL	SPLA
1 1 2	50.7 101.4	41.4		 		56.5	30.3 37.3	80.0	56.4	33.9
•	1 152.1	0.0	•	i	•	45.0	34.1	240.0	49.1	40.5
1 4	202.8	0.0	-	i	:	0.0	:	320.0	0.0	0.0
5	253.5	0.0	•	i	•	0.0	: :	400.0	0.0	0.0
6	304.2	0.0	0.0	i	420.0	0.0	1	480.0	0.0	0.0
	354.9	0.0	:	i	:	0.0	: :	560.0	0.0	0.0
	1 405.6	0.0	0.0	i	560.0	0.0	:	640.0	0.0	0.0
•	1 456.3	0.0	:	i	•	0.0	: :	720.0		i o.o i
j 10	507.0	0.0	0.0	İ	700.0	0.0	0.0	800.0	0.0	j 0.0 j
11	557.7	0.0	0.0	ĺ	770.0	0.0	0.0	880.0	0.0	0.0
12	608.4	0.0	0.0	l	840.0	0.0	0.0	960.0	0.0	0.0
13	659.1	0.0	0.0	Į	910.0	0.0	0.0	1040.0	0.0	0.0
14	709.8	0.0	0.0	ı	980.0	0.0		1120.0	0.0	0.0
15	760.5	0.0	•	•	1050.0	0.0	: :	[1200.0	0.0	0.0
16	811.2	0.0	•	•	1120.0	0.0	. ,	1280.0	0.0	0.0
17	861.9	0.0	•	•	1190.0	0.0		1360.0	0.0	0.0
18	912.6	0.0	•	•	1260.0	0.0		1440.0	0.0	0.0
19	963.3	0.0	•	•	1330.0	0.0		1520.0	0.0	0.0
•	11014.0	0.0	•	•	1400.0	0.0		1600.0	0.0	0.0
•	1064.7 1115.4	0.0			1470.0	0.0	•	1680.0 1760.0	0.0	0.0 0.0
•	1113.4 1166.1	0.0		•	1610.0	0.0		1840.0	0.0	0.0
•	11216.8	0.0	•	•	1680.0	0.0		1920.0	0.0	0.0
•	11267.5	0.0			1750.0	0.0		2000.0	0.0	0.0
•	1318.2	0.0		•	1820.0	0.0		2080.0	0.0	0.0
•	11368.9	0.0	•	•	1890.0	0.0		2160.0	0.0	0.0
•	1419.6	0.0	-	•	1960.0	0.0		2240.0	0.0	0.0
•	1470.3	0.0	0.0	İ	2030.0	0.0	0.0	2320.0	0.0	0.0
30	1521.0	0.0	0.0	H	2100.0	0.0	0.0	2400.0	0.0	0.0
31	11571.7	0.0		•	2170.0	0.0	•	2480.0	0.0	0.0
	1622.4				2240.0			2560.0		0.0
•	11673.1			•	2310.0			2640.0		:
1	1723.8				2380.0			2720.0		•
•	11774.5			-	2450.0			2800.0		
	1825.2				2520.0			2880.0		
	1875.9			•	2590.0			13040.0		
•	1926.6 1977.3				2660.0 2730.0			3040.0 3120.0		
•	1977.3 2028.0		*		2800.0			3120.0		
	2020.0 									
	DASPL									
+				+			++	+	+ -	++

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 7 (PITCH ANGLE: 20.7 DEG)

	+				DATA-	POINT /	RUN				
+	BC	-7 /	74	 -	BC	-4 /	73	 -+	BC-	-5 / 	72
HN	F	SPL	SPLA	ļ	F	SPL	SPLA	 	F	SPL	SPLA
1 1	50.7	83.9	53.7		•	107.1	80.9			114.0	91.5
2	101.4	53.3	34.2		140.0	96.7	80.6			104.9	91.5
:	1 152.1	0.0	0.0	ļ	210.0	88.6	77.7 62.3	 		104.2 94.2	95.6
4	202.8 253.5	0.0	!	 	•	70.9 0.0	0.0] <u>}</u>	320.0 400.0	88.9	87.6 84.1
	233.3	0.0 0.0	•			0.0		 		82.4	04.1 79.2
:	354.2	0.0	:		:	0.0		, , 		81.0	77.2 77.8
	1 405.6	0.0		1	:	0.0) 		74.8	72.9
	456.3	0.0	0.0	! 	630.0	0.0				73.1	72.3
	507.0	0.0	0.0	i	700.0	0.0				69.6	68.8
1 11	557.7	0.0	0.0	i	770.0	0.0	0.0	ij	880.0	69.1	68.3
12	608.4	0.0	0.0	i	840.0	0.0	0.0	ii	960.0	0.0	0.0
13	659.1	0.0	0.0	i	910.0	0.0	i o.o i	ij	1040.0	0.0	0.0 i
1 14	709.8	0.0	0.0	i	980.0	0.0	0.0	İ	1120.0	0.0	0.0
1 15	760.5	0.0	0.0	İ	1050.0	0.0	0.0	İ	1200.0	0.0	0.0
16	811.2	0.0	0.0	ĺ	1120.0	0.0	0.0	Ϊĺ	1280.0	υ.0	0.0
17	861.9	0.0	0.0	ĺ	1190.0	0.0	0.0	H	1360.0	0.0	0.0
18] 912.6	0.0	0.0	1	1260.0	0.0	0.0		1440.0	0.0	0.0
19	963.3	0.0	0.0		1330.0	0.0	0.0	1	1520.0	0.0	0.0
20	1014.0	0.0	0.0	Ì	1400.0	0.0			1600.0	0.0	0.0
21	1064.7	0.0	0.0	1	1470.0	0.0	:		1680.0	0.0	0.0
-	11115.4	0.0	•	•	1540.0	0.0	: :	•	1760.0	0.0	0.0
1	1166.1	0.0	•	:	1610.0	0.0	:	: :	1840.0	0.0	0.0
:	1216.8	0.0		:	1680.0	0.0	: :	•	1920.0	0.0	0.0
25	1267.5	0.0	•	•	1750.0	0.0	: :		2000.0	0.0	0.0
26	1318.2	0.0	:	•	1820.0	0.0	0.0		2080.0	0.0	0.0
1	1368.9	0.0	0.0		1890.0	0.0			2160.0	0.0	0.0
•	1419.6 1470.3	0.0	•	•	1960.0	0.0	: :		2240.0 2320.0	0.0	0.0
•	11470.3	0.0 0.0	0.0 0.0	 	2030.0 2100.0	0.0 0.0		•	2400.0	0.0 0.0	0.0 0.0
•	1521.0	0.0	•		2170.0	0.0	0.0	•		0.0	0.0
•	1622.4	•	•	•	2240.0	•			2560.0		•
	1673.1				2310.0				2640.0		
	1723.8			•	2380.0	•			2720.0		
	1774.5	•	•	•	2450.0	•			2800.0		
	1825.2		•	•	2520.0				2880.0		0.0
	1875.9	•	•	•	2590.0	•		•	2960.0		0.0
•	1926.6	•	•	•	2660.0	•			3040.0		0.0
	1977.3				2730.0						
	2028.0		0.0		2800.0	0.0	0.0	1	3200.0	0.0	0.0
	++	-									
	DASPL										
	• • • • • • • • •										

- FREQUENCY HZ

Teasta and decembers and execusion

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 9 (PITCH ANGLE: 20.7 DEG)

	4									
					DATA-	POINT /	RUN			!
4	 	ВС	-7 /	74	BC	-4 /	73	BC	-5 /	72
H	1	F	SPL	SPLA	 F	SPL	SPLA	F	SPL	SPLA
1 :	1	50.7	91.4	61.2	70.0	106.3	80.1	80.0	113.7	91.2
1 :	2	101.4	83.7	64.6	140.0	105.2	89.1	160.0	108.1	94.7
1 :	3	152.1	0.0	0.0	210.0	96.3	85.4	240.0	108.7	100.1
1 4	4	202.8	0.0	0.0	280.0	100.0	91.4	320.0	109.8	103.2
5	5	253.5	0.0	0.0	350.0	95.3	88.7	•	•	100.3
(5	304.2	0.0	0.0	420.0	86.8	82.0	480.0	•	100.5
1	7	354.9	0.0	0.0	490.0	84.9	81.7	560.0	104.2	101.0
8	3	405.6	0.0	0.0	560.0	84.8	81.6	640.0	99.6	97.7
1 9	9	456.3	0.0	0.0	630.0	79.7	77.8	720.0	97.1	96.3
10		507.0	0.0	0.0	700.0	75.2	73.3	800.0	98.0	97.2
13		557.7	0.0	0.0	770.0	74.8	74.0	880.0	94.5	93.7
1 12		608.4	0.0	0.0	840.0	71.1	70.3	960.0	89.7	89.7
1 1:		659.1	0.0	0.0	910.0	64.7	64.7	1040.0	91.8	91.8
14		709.8	0.0	0.0	980.0	0.0	0.0	1120.0	87.2	87.2
15		760.5	0.0	•	1050.0	0.0	0.0	1200.0	86.7	87.3
16		811.2	0.0	•	1120.0	0.0	0.0	1280.0	81.3	81.9
17		861.9	0.0		11190.0	0.0	0.0	1360.0	79.8	80.4
18		912.6	0.0		1260.0	0.0		1440.0	79.9	80.9
19		963.3	0.0	•	11330.0	0.0		1520.0	76.0	77.0
20	- : :	1014.0	0.0	•	11400.0	0.0	•	11600.0	71.9	72.9
21	: :	1064.7	0.0		1470.0	0.0	:	11680.0	70.9	71.9
22		1115.4	0.0	•	11540.0	0.0	: :	1760.0	70.2	71.2
23		1166.1	0.0	•	1610.0	0.0	:	11840.0	63.2	64.4
1 24		1216.8	0.0	0.0 0.0	11680.0	0.0 0.0	•	1920.0 2000.0	0.0 0.0	0.0 0.0
25		1267.5 1318.2	0.0 0.0	0.0	1750.0 1820.0	0.0		2080.0	0.0	0.0
1 27		1368.9	0.0	•	1890.0	0.0	:	2160.0	0.0	0.0
1 28	: :	1419.6	0.0	•	1960.0	0.0	•	2240.0	0.0	0.0
1 29		1470.3	0.0		2030.0	0.0		2320.0	0.0	0.0
30		1521.0	0.0	0.0	2100.0	0.0	0.0		0.0	0.0
31		1571.7	0.0	•	2170.0	0.0	•	2480.0	0.0	0.0
•		1622.4			2240.0	0.0		2560.0	•	: :
•		1673.1			2310.0	0.0		2640.0	•	
34	: :	1723.8			2380.0	0.0	•	2720.0	•	:
•		1774.5			2450.0	0.0		2800.0		
•		1825.2		•	2520.0	0.0	:	2880.0		
-		1875.9			2590.0	0.0	•	2960.0		0.0
•		1926.6			2660.0	0.0	. ,	3040.0		0.0
		1977.3			2730.0		0.0	3120.0	0.0	0.0
40)	2028.0	0.0	0.0	2800.0	0.0	0.0	3200.0	0.0	0.0
					+					
+					+					
1	OA	SPL	92.1	66.2		109.8	96.0	1	117.6	109.6
+				+	+	+	++	+	+	 +

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 1 (PITCH ANGLE: 20.7 DEG)

		+								+
		İ			DATA-	POINT /	RUN			i
		į				•				į
_		BC	-6 /	70	BC	-61 /	71		+	 +
	HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
i	1	90.0	113.0	93.9	93.3	1113.5	94.4	 	i I	I I
i	2	1	1	100.8	186.6	114.4	103.5	ii	j i	i i
i	3	270.0	112.0	103.4	279.9	113.5	104.9	i i	j i	į į
Ì	4	360.0	110.5	105.7	373.2	115.5	110.7		[
1	5	450.0	108.5	105.3	466.5	112.1	108.9	11	1	
-	6	540.0	104.7	101.5	559.8	109.5	106.3	!	1	[
1	7	630.0	106.3	104.4	653.1	110.2	108.3	11	1	
	8	720.0	106.9	106.1	746.4	111.0	110.2	11]	
١	9	810.0	101.5	100.7	839.7	108.6	107.8		1	
	10	900.0	102.1	102.1	933.0	107.1	107.1	l i		
1	11	990.0	•	101.5	1026.3	105.4	105.4			1
	12	1080.0	92.4	92.4	1119.6	103.7	103.7		•	
-	13	1170.0	94.2	94.8	11212.9	97.7	98.3	1 1	! !	
!	14	1260.0	93.8	94.4	1306.2	96.8	97.4		!	ļ
Ţ		1350.0	89.6	90.2	1399.5	98.1	98.7	ļ ļ	[
	16	1440.0	86.9	87.9	1492.8	98.2	99.2		! !	ļ
ļ		1530.0	84.3	85.3	1586.1	94.7	95.7		!	
ļ		1620.0	84.7	85.7	11679.4	90.8	91.8	! !	j	
- [:	1710.0	83.1	84.1	1772.7	91.2	92.2		! !	į
1		1800.0	83.9	85.1	11866.0	87.1	88.3			
-		1890.0	81.0	82.2	11959.3	79.8	81.0		} 	
1		1980.0	71.1	72.3	1 2052.6	87.1	88.3)) 1) }]
Ī		2070.0	0.0	0.0 0.0	2145.9	86.5	87.7] !	
(•	2160.0 2250.0	0.0 0.0	0.0	1 2239.2	85.3	86.6 84.6		ነ ! ! !	1
l I		2340.0	0.0	1 0.0	2332.5 2425.8	74.8	76.1	[
1	27	2430.0	0.0	0.0	[2519.1	71.2	72.5	 	1	
i	28	2520.0	0.0	0.0	2612.4	0.0	0.0	i i	, 	
i	29	2610.0	0.0	0.0	2705.7	0.0	0.0	ii	i i	,
i	30	2700.0	0.0	0.0	1 2799.0	0.0	0.0		;	i
i		2790.0	0.0	0.0	2892.3	0.0	0.0	ii	i i	i
i		2880.0	:	•	2985.6	•	:	i	i	j
i		2970.0		•	3078.9	•	:			i
i		3060.0		: .	3172.2	0.0			i i	i
İ		3150.0	0.0	•	3265.5	0.0		İ	İ	i
İ		3240.0	0.0	:	3358.8	0.0		İ	į i	i
İ		3330.0			3452.1	•		1	İ	į
İ		3420.0		•	3545.4	•			l Ì	j
ĺ		3510.0		•	3638.7	*	0.0	1	l i	į
1	40	3600.0	0.0		3732.0				ĺ	j
+.	+				++	•		+	++	+
+.					++				++	+
			119.4			•	118.3	•		1
+ •				·	++	+	+	++	t -	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 2 (PITCH ANGLE: 20.7 DEG)

		+				-	DATA-	POINT /	RUN				
+		+-	BC	-6 /	70 +		BC	-61 /	71	<u> </u>		+	
	HN	 -	F	SPL	SPLA	 -	F	SPL	SPLA	 +	F	SPL	SPLA
İ	1			114.6	1	Ì	•	114.7	95.6	į		İ	
1	2	ļ		:	107.4	ļ	:	?	113.2	[
!	3			•	105.9	ŀ	•	116.3	107.7	!		!	
ì	4 5			•	111.1 113.1	1	•	•	1114.4	}]	
- [•	113.1	l	•	•	117.9 116.5	ł		{ 	
ł	7			•	1113.4	ì	-	:	1110.3 1117.7	1) 	
i	8			:	1111.8	ŀ		:	116.9	i] 	
ì	_	ì		:	112.7	i			118.9	i		! !	
i				•	114.0	ì	•	:	118.6	ì		i I i	
i				:	111.3	<u>ا</u> ا			117.0	i	,		ì
i		•		•	•	i			116.2	i		i i	i
İ					1	:			116.2	İ		İ	i
j	14	j	1260.0	1	109.4	•			116.1	İ	i	İ	ĺ
-	15		1350.0	106.9	107.5		1399.5	112.4	113.0	İ		j	j
I	16	\Box		•	106.6		1492.8	111.8	112.8				- 1
-	17	$\ \cdot\ $	1530.0	•	105.3	1	1586.1	111.4	112.4				
1				<u> </u>	104.4	: :			110.0				ļ
1				•	102.7				109.0	}		}	}
ļ			1800.0	-	100.0	٠,			106.9	ļ	ļ	ļ	!
Į		٠.	1890.0	97.4	98.6	Ц			108.4	!			ļ
-[1980.0	98.2	99.4				106.1	!	į		[
!		. :	2070.0 2160.0	95.1 93.1	96.3	: :			104.8	1			ļ
¦		: :	2250.0	92.1	94.3 93.4	: :			104.2 105.2				l
i		: :	2340.0	91.9	93.2	: '			103.2	[}		1	! }
i		: :	2430.0	90.0	91.3	Ĥ			102.5	ľ	i	! 	i i
ì		: :	2520.0	88.0	89.3	ìi		103.9	105.2	i	ì		i
i			2610.0	90.1	91.4	ĺ		102.4	103.7	ĺ	ĺ	ĺ	i
j		. :	2700.0	87.9	89.2	İ		100.4	101.7	i	į	i	i
1	31		2790.0	85.0	86.3	П	2892.3	99.9	101.1	ĺ	Ì	i	į
1	32		2880.0	85.3	86.5	П	2985.6	101.1	102.3	1	ĺ	į	į
1							3078.9	101.6	102.8	1	1	1	1
-			3060.0					97.9	99.1	1	{	1	1
ŀ			3150.0	•					99.5	İ	i	1	l
ļ							3358.8			!		ļ	ļ
ļ							3452.1]	į	j	j
ļ			3420.0		:	: '	3545.4		:	1		!	!
ļ			3510.0		•		•	96.3			!		ļ
1	40	+ 1 	3600.0	/0.) 			3732.0			 	ا 4 ،	 *	
+				,		٠.				+	 +	+	+
i	(٥٨	SPL	126.2					128.5		ì	1	ì
+							+				·+	+	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 3 (PITCH ANGLE: 20.7 DEG)

		-	+ !			-	DATA-	POINT /	RUN	-			+ !
4		+	 BC	-6 / +	70 +		l BC	-61 /	71 +	 -	 +	+	 -
į	HN	ļ	F	SPL	SPLA		F	SPL	SPLA		F	SPL	SPLA
ļ	1	:	•	1115.2			•	117.6	98.5		! !		
إ	2	!	•	•	105.3	ļ	:	119.9	109.0	ļ	!	ļ	
ŀ	3	ļ	•	•	107.7	ļ	:	119.5	110.9	1			į
ļ	4	ļ	•	•	112.6	ļ	:	121.8	1117.0	!	[!	
١	5	ļ	•	:	114.7	ļ	:	121.7	118.5	ļ]] [
ļ	6			1115.7	1112.5		•	1119.4	1116.2	1	!	1	
	7	1	!	117.1 117.4	1115.2	1		121.3 121.7	1119.4	ł		1	
	8	1	1	•	116.6 115.7	[]		121.7	120.9 119.9	!	1]	
ı	9 10	1	•	•	116.0	! 	•	•	120.4	1	l I	i 	
1	11	;	•	•	1115.4	l I		•	1119.9	1	1 1] [
i	12	i		•	•	•	1119.6	•	117.9	 	i	i :	
i	13			•	•	•	1212.9	•	119.4	i	! 		
i	14	•	:	•	•	•	1306.2	•	119.2	i	; 		i
i	15	•	•	•	:	:	1399.5		117.0	Ì	Ì	i i	İ
i	16			•	•	•	1492.8	•	116.4	i	İ	į i	į
j	17	Ì	1530.0	108.6	109.6	Ù	1586.1	115.8	116.8	İ	j	İ	İ
ļ	18	Ì	1620.0	108.8	109.8		1679.4	113.7	114.7	١	1	İ	1
1	19	1	•	•	107.1		1772.7	110.1	111.1			1	
1	20	1	1800.0	103.4	104.6	1	1866.0	109.2	110.4	1	})	1
ļ	21	•	•	•	105.0				108.5				l
}	22	1	•	•	103.6	1		•	106.7]	!
ļ	23	ļ	•	•	•			•	105.6			<u> </u>	ļ
ļ	24	:	2160.0		•	•		•	109.4	١.		!!!	ļ.
ļ	25	:	2250.0	99.2	•			:	108.9			!!!	ļ
Į	26	•	2340.0	96.2	•	: :			109.2			. I	ļ
-	27		2430.0	95.9 96.4	97.2 97.7		2519.1 2612.4	•	1110.9		<u> </u>	! !	!
1	28 29	1 · 1 ·	2520.0 2610.0	1 96.0	97.3	! ! 		110.0 108.5	111.3 109.8			i i	}
-	30	1 1	2700.0	94.4	95.7	 		108.3	109.5]	! ! 	; 1
i	31		2790.0	94.5	95.8	! !	!	•	109.4			, , 1 ł	ı İ
i			2880.0	•	•	1	2985.6		•		!	, ; 	ì
i			2970.0									į į	i
ì		•	3060.0	•	•			•	•			j j	j
į			3150.0	•	•			•	•			į	į
ĺ	36		3240.0	91.2	92.4	Ιİ	3358.8	105.0	106.2	ij		l İ	j
-			3330.0	•	•			•				İ	İ
-1		•	3420.0	•	•								
- {			3510.0	•	•			•					1
1			3600.0	•	•			•					1
+		+ † -		•	•			•	•				•
+		 04			125.9				131.0			r+ '	
+		-·		•				•	,			ı ⊁+	! +

F - FREQUENCY HZ SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 4 (PITCH ANGLE: 20.7 DEG)

	-	+ 			-	DATA-	POINT /	RUN			 !
+	-+-	BC	-6 / +	70	 -	BC-	-61 /	71 ++	•	+	
HN	 -	F	SPL	SPLA		F	SPL	SPLA	F	SPL	SPLA
•	į	•	115.9	96.8	1		118.0	98.9		İ	
: -	ļ			103.9	1		118.2	107.3			
1 3	1	•	117.8 116.9	[109.2 [112.1	ŀ	•	122.5 121.4	113.9 116.6	1	1	1
5	-	•	1117.4	114.2	1:		•	118.5	!	! ! !	į į
1 6	i	•	•	1113.5	1	559.8	:	1118.5	! !	! 	
1 7	i	•		115.8			<u>.</u>	119.8		1	
8	i	•	•	115.3			•	120.0	1	i	
9	i	810.0	•	115.2	i i		•	120.4	ì	i	ì
10	i		•	115.9	Ĺ		•	120.6	ì	i	i
j 11	i	•	114.6	•	i.		•	120.2	ì	i i	i
12	Ĺ	1080.0	•	115.2			•	[121.2]	į	į į	į
13	İ	1170.0	114.1	114.7	H	1212.9	117.1	117.7	į	į į	į
14	-	1260.0	110.5	111.1		1306.2	117.1	[117.7	1	Į į	j
15		•	•	112.5	11	1399.5	116.5	117.1	ţ	! !	}
16	- [•	•	1111.7	•	1492.8	114.7	115.7	ļ		
17	•	•	:	109.1	•	1586.1	112.9	113.9	!	! !	1
18	- :			108.0	•	1679.4	112.1	1113.1	ļ	!!!	!
19	•	•	•	108.4	•		111.2	1112.2	}	}	}
20	•		•	106.5	: :		•	109.8	<u> </u>	! !	1
21		•	•	102.9				109.0	<u> </u>	\	!
22	•	•	:	103.4			•	109.5	} !	i i	1
1 23			100.7 98.2	101.9	1 1			108.1	i !)) 	}
1 25	- :	2160.0 2250.0	98.4	99.4 99.7	1 1			109.1 109.3)) 	i
1 26		2340.0	97.0	98.3	1 1			109.1	} [!!!	!
1 27		2430.0	96.8	98.1	Н			110.3	; 	, ,	j
28		2520.0	97.3	98.6	Ĥ	2612.4		110.4	į	, 	i
29	•	2610.0	96.8	98.1	ii			109.3	j		i
30		2700.0	95.5	96.8	ii			110.0	j	į į	i
31	ij.	2790.0	95.8	97.1	Ш	2892.3	108.0	109.2	}	i i	j
32	İ	2880.0	95.5	96.7	İ	2985.6	106.3	107.5	1	l i	j
33	1	2970.0	93.9	95.1	1	3078.9	106.1	107.3	}	1	1
		3060.0						•		<u> </u>	1
•		3150.0	•					•	1		1
•		3240.0	•	•				•	!	!!!	j
		3330.0		:	7 7			:		<u> </u>	j
•		3420.0	•	•		,		•	•	[ļ
		3510.0								[!
•		3600.0	,	•				•	•	 ++	
+	- + -							•	+ +		
		ASPL	127.9	126.0	11	1	132.6	131.1	•	1 1]
+			r		++			++	†		+

RANGAS LASSINSSE COUNTY - COUNTY -

F - FREQUENCY HZ

ACCOUNT ACCOUNT OF THE PROPERTY OF THE PROPERT

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 5 (PITCH ANGLE: 20.7 DEG)

		-	+ 				DATA-	POINT /	RUN				
+		+-	BC	-6 /	70	 -	BC	-61 /	71 +	 +-	 	+	
1	HN		F	SPL	SPLA	 -	F	SPL	SPLA		F	SPL	SPLA
-	1	-	-	116.9	:		•	:			!		
1	2	ļ		1112.1	101.2	ļ.	•	118.6	1] i	 	
- !	3	1	•	1116.9	108.3	ļ t	•	120.5	111.9	! 	l I	 	1
l	4	!	•	•	1114.1	() 	•	122.9 117.9	118.1 114.7	}	1	} i	
1	5 6	1	•	•	109.6 112.7	ļ.	•	•	1114.7		† 1	! 1	!
!	7	1	•	•	1112.7	I . I I	•	:	119.9	l . I I		! 	
- [8	1		1	1112.7	t I	•	118.3	117.5	l 1	 	1 1	
l l	9	ľ		:	1113.7	l I L I	•	118.7	117.9	1		1	
f	10	i	•	:	113.7	 	•	•	118.7	! !] 	! 	
i	11	1		:	113.6		1026.3	118.9	118.9		; 		i
i	12	i		•	1111.5		1119.6	114.5	114.5				
i	13	i		•	111.8	i	1212.9	117.9	118.5	i			
i	14	i		110.8	111.4	i	1306.2	115.7	116.3	i			i
i	15	į.		1	109.1	i	1399.5	111.9	112.5	ij			į
i	16	į	1440.0	107.2	108.2	ij	1492.8	112.7	113.7	į		j	į
Ì	17	1	1530.0	105.7	106.7	1	1586.1	110.5	111.5	Ì			j
1	18	1	1620.0	103.9	104.9	11	1679.4	106.7	107.7	1			
- 1	19	1	1710.0	102.7	103.7		1772.7	108.1	109.1	П			ł
1	20	•	•	•	102.7		1866.0	105.9	107.1				1
-	21	•	1890.0	99.5	100.7	•	1959.3	•	105.6				Į
-	22	•	1980.0	98.9	100.1		2052.6	105.3	106.5				
-	23		2070.0	97.9	1	: :	2145.9	•	105.5				
!	24		2160.0	95.4	96.6		2239.2	103.1	104.4				ļ
ļ	25	•	2250.0	94.2	95.5	1	2332.5	104.2	105.5	ļ		[
ļ	26	•	2340.0	94.3	95.6	H	2425.8	1104.4	105.7			1	}
ļ	27		2430.0	92.8	94.1		2519.1	103.2	104.5				ļ
	28		2520.0	91.8	93.1 90.9	 	2612.4	101.1 105.6	102.4 106.9	. !	i		
- [29 30		2610.0 2700.0	89.6 91.6	90.9	 	2705.7 2799.0	•	100.9				· · · · · · · · · · · · · · · · · · ·
- I	31	1	2790.0	91.1	92.4	1 1		•	101.8	1			' '
ł		1	2880.0	•	•	 		•					i
i			2970.0										1
i			3060.0										
i		-	3150.0					•				i	i
i			3240.0								ļ į	į	i
į			3330.0					•		1	ĺ	j	į
Ì	38	П	3420.0	83.8	85.0	Ιİ	3545.4	97.3	98.5	ļ			į
1		• '	3510.0	•				•	•	l	1		
1			3600.0									ļ	ļ
+													+
+			ASPL								 1	 	+ 1
+		∪ <i>t</i>									 	 	! +

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 6 (PITCH ANGLE: 20.7 DEG)

	!			DATA-	POINT /	RUN			
+	BC	-6 / +		BC	-61 /			+	;
HN	F	SPL	•	F +	SPL	SPLA	•	SPL	SPLA
1	: :	•	32.1		•	37.6		!	j
2		•	:	•	•	45.1		[
•	270.0	•	:		•	49.1			
	360.0 450.0	•	·	373.2 466.5	•	52.5 49.6	[[i .	
	430.0 540.0	•	:	559.8	•	50.7	 1	! !	
	630.0	•	:	653.1	•	53.8	1		
	720.0	•	•	746.4	•	31.4		ί	
:	810.0	:	•	839.7	•	i 0.0 i	i	į i	
	900.0	•		933.0	0.0	i 0.0 i	•	į i	į
111	990.0	0.0	•	1026.3	0.0	0.0	Ì	j j	į
12	1080.0	0.0	0.0	11119.6	0.0	0.0	11	1 1	İ
13	1170.0	0.0	•	1212.9	•	0.0	1.1)	ļ
-	11260.0	•		1306.2	•	: :			1
:	1350.0	•		1399.5	•	0.0]	!
	11440.0	•	:	1492.8	:	0.0	<u> </u>]	ļ
•	1530.0	-	•	1586.1	-	0.0	1]	Ì
-	1620.0	•		1679.4		0.0	1) 	<u>}</u>
	1710.0	•		11772.7		0.0 0.0	1	} 	}
•	1800.0 1890.0	•				0.0	1	i 1	1
•	1980.0	•	•	2052.6	•	0.0	ì		}
	2070.0	•	•	2145.9	•	: :	İ	i i	ì
	2160.0	•		2239.2		: :	i	i	ì
	2250.0	•	•	2332.5	•	: :	i .	j	j
	2340.0		:	2425.8		0.0	j	İ	į
27	2430.0	0.0	0.0	2519.1	0.0	0.0	1	İ	İ
28	2520.0	0.0	0.0	2612.4	0.0	0.0	1)
	2610.0	-		2705.7					}
	2700.0		: '	2799.0	0.0	0.0			!
	2790.0	0.0		2892.3	0.0	0.0	}	}	}
	2880.0			2985.6				}	}
	2970.0 3060.0		,	3078.9		•	:	 	ļ i
	3060.0 3150.0			3172.2 3265.5					ļ i
	3130.0 3240.0			3358.8				! ! 	l 1
	3330.0			3452.1			1		1
	3420.0			3545.4				ĺ	í
	3510.0							i	j
40	3600.0	0.0	0.0	3732.0	0.0	0.0	•	İ	i
+				·+			. .	⊦+ ∟	
1 (58.7			
•				•			•	, 	·+

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 7 (PITCH ANGLE: 20.7 DEG)

BC-6		+	+ <i>-</i> 			DATA-	POINT /	RUN				-+
HN F SPL SPLA F SPL SPLA F SPL	+	 BC	l BC	-6 /			-61 /			+	 -	 -+
2 180.0 0.0 0.0 186.6 0.0 0.0	HN	F	F	SPL	SPLA		SPL	SPLA	F	SPL	SPLA	 -+
3 270.0 0.0 0.0 279.9 0.0 0.0	: :	:	:	:	•	: :	:	:	ij	į		į
4 360.0 0.0 0.0 373.2 0.0 0.0	: - :		:	•	1	: :	:	•				ļ
5	: :	•	•		•	: :	•	•		!		- [
6 540.0 0.0 0.0 559.8 0.0 0.0	: - :	•	•	:	•	: :	:	•		1		1
7 630.0 0.0 0.0 653.1 0.0 0.0	1		•	:	-	: :	· ·		1	1		1
8 720.0 0.0 0.0 746.4 0.0 0.0	· :	•	:	:	•		•	•	1 1 1 1	1		ł
9 810.0 0.0 0.0 839.7 0.0 0.0	: :	:	:	:	•			•	i i			i
10 900.0 0.0 0.0 933.0 0.0 0.0	: :	•	•	:	:	: :	:	Ĭ	ĺĺ	i		i
12 1080.0 0.0 0.0 11119.6 0.0 0.0	10 j	:	•	1		: :	*	:	ii	i i		i
13 1170.0 0.0 0.0 1212.9 0.0 0.0	11	990.0	990.0	0.0	0.0	11026.3	0.0	0.0		i i	İ	İ
14	12	1080.0	1080.0	0.0	0.0	1119.6	0.0	0.0	11	1		-
15	: :				:	: :		:	11			1
16					1	: :		:	[]	!!!		ļ
17	1			_				:	! !			1
18 1620.0 0.0 0.0 1679.4 0.0 0.0 19 1710.0 0.0 0.0 1772.7 0.0 0.0 20 1800.0 0.0 0.0 1866.0 0.0 0.0 0.0	: :				•		•	:	 			ł
19 1710.0 0.0 0.0 1772.7 0.0 0.0	•	- I		_		: :	1	:	<i> </i>] [ļ
20 1800.0 0.0 0.0 1866.0 0.0 0.0	•	· ·		:	•		1	:		1 1		ł
21 1890.0 0.0 0.0 1959.3 0.0 0.0		•		•	-		:			! ! }		
22 1980.0 0.0 0.0 2052.6 0.0 0.0	1 :			:	:	: :	:			i i		i
23 2070.0 0.0 0.0 2145.9 0.0 0.0	: :	:		:			:		i	i i		i
25 2250.0 0.0 0.0 2332.5 0.0 0.0	•	-		-	•		0.0	0.0	İ	į į		i
26 2340.0 0.0 0.0 2425.8 0.0 0.0	24	2160.0	2160.0	0.0	0.0	2239.2	0.0	0.0	H	İ		j
27 2430.0 0.0 0.0 2519.1 0.0 0.0	25	2250.0	2250.0	0.0	0.0	2332.5	0.0	0.0	11			1
28 2520.0 0.0 0.0 2612.4 0.0 0.0		I.			1							1
29 2610.0 0.0 0.0 2705.7 0.0 0.0		:		•	•				1	! !		1
30 2700.0 0.0 0.0 2799.0 0.0 0.0		•				•				[!
31 2790.0 0.0 0.0 2892.3 0.0 0.0		•								} 		1
32 2880.0 0.0 0.0 2985.6 0.0 0.0	7	1				•				! [!		ł
33 2970.0 0.0 0.0 3078.9 0.0 0.0		•			•	•			1	! ! ! !		¦
34 3060.0 0.0 0.0 3172.2 0.0 0.0							•			, , 		i
35 3150.0 0.0 0.0 3265.5 0.0 0.0		•							:	i i		i
1 36 113240.0 1 0.0 1 0.0 113358 8 1 0 0 1 0 0 11	•	•		•						j j		i
							0.0	0.0		ļ į		İ
37 3330.0 0.0 0.0 3452.1 0.0 0.0	•					•			i i			1
38 3420.0 0.0 0.0 3545.4 0.0 0.0						•			:	!!!		1
39 3510.0 0.0 0.0 3638.7 0.0 0.0						•			:			1
40 3600.0 0.0 0.0 3732.0 0.0 0.0	•	•					,		 - 	 		1
+++++++	+			+		•			+	, + + +		+
OASPL 115.8 96.7 115.0 95.9	1 0				96.7		115.0	95.9		l l		l

これの場合にいいている。 関われてあるのの 関わないのないから 関わないと

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 9 (PITCH ANGLE: 20.7 DEG)

	+					DAT'A-	POINT /	RUN		~~~~	
+	 ++-	ВС	-6 / +			BC	-61 /	71	 +	+	
HN		F	SPL	SPLA		F	SPL	SPLA	F	SPL	SPLA
	ij		112.9	93.8			•	96.2	<u>.</u>		
: -	-		110.8	99.9	ij	•	•	101.5]]	
3	-		1	110.3	1 1	279.9	•	114.1	}) i	
4	- 1 1		:	[112.1			118.3	1113.5	{	i i	j
1 6				112.7			•	117.4 118.4	1	\ 	\
7	- 11	540.0 630.0	•	114.3 113.9				1117.3	[]	(1
1 8	11		•	114.5	 		•	1120.0	;	! ! ! !	
1 9	11		•	116.5	1 1			1119.5	:		1
10	11			113.6	! ! ! !			117.1	;	! }	1
1 11	H		•	113.5	Н			120.7	<u>,</u>		
12	H		•	•			:	118.8	į	j	į
13							:	1118.3	i	i	į
14			•	•			116.6	117.2	j i	i i	İ
15		1350.0	•	•			115.8	116.4	j	Ì Ì	ĺ
16	11	1440.0	109.5	110.5	H	1492.8	112.7	113.7	j l		ĺ
17	11	1530.0	106.6	107.6	11	1586.1	113.2	114.2	1))	İ
18	-	1620.0	107.4	108.4	11	1679.4	110.9	111.9	1		j
19	11	1710.0	104.9	105.9	11		110.0	111.0	}	,	}
20			:	105.4	П		•	110.8			ļ
21	: :		•	105.0	: :			107.7	l		ļ
22		1980.0	•	100.7			•	109.1	<u> </u>		
23			•	103.1	•			1111.2	ļ		į
24			-	•	•			104.9	ł į		ļ
25	: :	2250.0	93.3	•	: :			1111.6	!		ļ
26		2340.0	:	101.2	: :			109.6	} 1]	
27		2430.0	97.2	98.5	: :			1109.4) 	l])
28		2520.0 2610.0	95.3 97.3	96.6 98.6	l (]			110.2 108.3	! !	 	1
1 30	: :	2700.0	95.1	96.4	 	2799.0		100.5		[]	l ļ
31		2700.0	95.8	97.1				109.1	, ! }		l I
,	• •	2880.0	•		; ;]]			106.8	<u> </u>		1
								108.2		j	j
•			•	•			•	108.5		j	j
35						3265.5			j	İ	j
36						3358.8			l i	l į	į
37	11	3330.0	90.2	91.4	Ιİ	3452.1	107.1	108.3	j [İ	į
38			•	•				102.7			1
								105.0			1
								105.5		1	1
+	++							++-		+- <i>-</i> +	+
+		cnt							+	- 	+
Ţ		_	•	125.3	, ,			130.2	! +	 	
+					- 1			T	+ -	,	. = = = = 7

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 1 (PITCH ANGLE: 24.4 DEG)

		+ !			DATA-	POINT /	RUN			
+-		CC	-1 /	117 +	cc	-2 /			+	
	HN		SPL	SPLA	•	SPL	SPLA		SPL	SPLA
į	1		102.9	:	•	•	78.9		!	İ
!	2	120.0	91.8	75.7		97.7	81.6	!!	!	1
-		180.0	82.6	:	210.0	96.4	85.5	 	<u> </u>]
-		240.0	79.9	•	280.0	90.1	81.5		1	
		300.0 360.0	71.1 60.5		350.0 420.0	1	80.5 76.5	 	! i	! ! ! !
-		•	60.4	•	1 420.0	•	70.5	1 I 1 3	i 	
¦	_ :	480.0	0.0	:	560.0	I	70.8	1		! !
i	_	540.0	0.0	:	630.0	:	65.3	1	i	
i		600.0	•	:	700.0	64.5	62.6		i	i
i		:	0.0	:	770.0	:	60.3	: :	į i	i
j	12	720.0	0.0	0.0	840.0	57.5	56.7	H	ĺ	İ
1	13	780.0	0.0	0.0	910.0	55.8	55.8	1 }		
	14	840.0	0.0	0.0	980.0	0.0	0.0	11	i 1	
-	15	900.0	0.0	0.0	1050.0	0.0	0.0	1 1	!	1
1	16	960.0	0.0	:	1120.0	0.0	•	11		ļ
1		1020.0	0.0		1190.0	0.0				ļ
!		1080.0	0.0		1260.0	0.0			[
- !	:	1140.0	0.0		1330.0	:			!	
1		1200.0	-	-	11400.0	:]]
ł		1260.0 1320.0			1470.0	0.0	:	! !] 1 i	
H		1320.0 1380.0			1540.0 1610.0	0.0 0.0	:		 	
1		1440.0			1680.0	0.0	:			
i	•	1500.0	•		1750.0	•	: :	}	 	i
i		1560.0	0.0		1820.0	0.0	:	i i	i i	i
i		1620.0	0.0		1890.0	0.0	0.0	i	i	i
i		1680.0	0.0		1960.0	0.0	0.0	i	i	i
ĺ		1740.0	0.0		2030.0	0.0	i 0.0 i	l i	i i	į
1		1800.0	0.0	0.0	2100.0	0.0	0.0		ĺ	ĺ
1		1860.0	0.0		2170.0	0.0	•			1
1		1920.0			2240.0	•	: :			1
		1980.0	•		2310.0				. !	ļ
ļ	•	2040.0	1		2380.0		: :		<u> </u>	[
•		2100.0	:		2450.0	•		:		!
•		2160.0	:		2520.0	•	:			ļ
		2220.0 2280.0			2590.0 2660.0		: :		i i	<u> </u>
•		12340.0	1		2000.0 2730.0			· :		l I
1		12400.0	•		2800.0	•	: :)	\
+-	•	+	•		2000.0 	•		 -	ı ├ +	ا +
+-			+	·	++		+	+		+
-	C				H					1
+-			+		++		++	-+		+

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 2 (PITCH ANGLE: 24.4 DEG)

	-	+ [-	DATA-	POINT /	RUN	-			+
+	-+	CC	-1 /			CC	-2 / :	118			+	
HN		F	SPL	SPLA		•	SPL	SPLA		F	SPL	SPLA
	į	-	104.4	•	•	•	•	83.5				
		:	•	•	:	•	106.3	: :	٠,			ļ
3	- :		93.9		ļ		•	90.9	١		[[į.
4	:	:	85.4	•	ŀ	:	97.6	89.0			[1	[
5 6		•	78.4	:	Ì			86.0	1		! !	ļ
1 7		:	:	•	1		88.8	84.0 81.1	1		 	!
8	•	•	66.0		i.		•	76.7	1) i	}
9	:	•	•	•	•	630.0	•	70.7	1		! !	! !
10	•		•	:	1		•	67.9	I			1
111	:	660.0	0.0	•			•	67.7	i		 	i
12	•	·	•	•	•	840.0	•	65.8	i			
13		:	:	:	: :	910.0	:		i		i	į
14	İ	840.0	:	:		980.0		56.8	İ		ĺ	j
1 15	1	900.0	0.0	0.0	İ	1050.0	54.4	54.4	İ		İ	į
16	1	960.0	0.0	0.0		1120.0	0.0	0.0	1			
17	-	1020.0	0.0	0.0		1190.0	0.0	0.0	1		1	İ
18		1080.0	0.0	•	•	1260.0	0.0	0.0	-			1
19	:	1140.0	0.0		: :	1330.0	0.0	0.0	ļ		ļ	Į.
20	•	1200.0	0.0		: :	1400.0	0.0		ļ	l		1
21		1260.0	0.0		: :	1470.0	0.0	,	ļ			1
22	- :	1320.0	0.0	•		1540.0	0.0		ļ			!
23		1380.0	0.0			1610.0	0.0		1		<u> </u>	
24		1440.0	0.0			1680.0	0.0	:	1		1	1
25	- 1	1500.0 1560.0	0.0			1750.0	0.0		1		! [(
•	•	1560.0 1620.0	1			1820.0 1890.0		:		1	!	1
28		1680.0			: :	1960.0	:		¦		1	;
29	•	1740.0				2030.0			i		į	;
30	- :	1800.0	0.0		٠.	2100.0	0.0		i		ĺ	i
31	•	1860.0	0.0			2170.0	0.0		Ì		j	i
32	1	1920.0	0.0	0.0	ij	2240.0	0.0	0.0	İ	į	j	i
33	- }	1980.0	0.0	0.0	11	2310.0	0.0	0.0	1	į	1	ĺ
34		2040.0				2380.0		0.0	1	1	1	1
35	•	2100.0			٠.	2450.0	•	0.0	ļ	ļ	ļ	1
		2160.0				2520.0	•		:	ļ	ļ	1
		2220.0				2590.0		•	:	ļ	!	!
		2280.0				2660.0	•		:		. !	!
		2340.0				2730.0			:]]]
•		2400.0				2800.0		-	1		} !	
+									+			
	0/	ASPL	106.0	87.5	11		112.1	96.2		ı	1	
+					++			+	+	+	+	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 3 (PITCH ANGLE: 24.4 DEG)

			+							_			
							DATA-	POINT /	RUN				1
			j					•					
			l cc	-1 /	117	П	CC	-2 /	118	1	!		ļ
1	HN	+	F	SPL	SPLA	11	F	SPL	SPLA	+	F	SPL	SPLA
1	1		1 60 0	105.9	79.7	++ 	70.0	1111.6	85.4	† 	† !	 	t
1	2	1		100.4	84.3			108.2	92.1	i	1) 	, ;
i	3	i	180.0	94.5	83.6	11		103.5	92.6	i	•		; i
i	4	i	240.0	87.9	79.3	ii	280.0	99.0	90.4	ί	i		!
i	5	i	300.0	81.9	75.3	Ħ	350.0	95.3	88.7	i	i		i i
i	6	į		79.5	74.7	ii	420.0	94.1	89.3	i	j i		i
i	7	i	•	72.7	67.9	ii	490.0	89.6	86.4	i	i		i
i	8	i		58.2	55.0	ii	560.0	84.2	81.0	i	i i		
i	9	i	540.0	0.0	0.0	ii	630.0	81.7	79.8	i	i i		
ĺ	10	i		0.0	0.0	ij	700.0	77.3	75.4	İ	į	· 	i
i	11	i		0.0	0.0	ij	770.0	71.9	71.1	i	j i	j	
į	12	i	720.0	0.0	0.0	H	840.0	66.2	65.4	İ	j i		i
j	13	İ,	780.0	0.0	0.0	Н	910.0	64.4	64.4	İ	j j		i
į	14	Ĺ	840.0	0.0	0.0	Н	980.0	60.3	60.3	İ.	j i		i
Ì	15		900.0	0.0	0.0	П	1050.0	55.4	55.4	Ĺ	i i	İ	i
ĺ	16		960.0	0.0	0.0	Ħ	1120.0	0.0	0.0	Ħ	İ		i
1	17	11	1020.0	0.0	0.0	П	1190.0	0.0	0.0	Ħ	ĺĺ	ĺ	į
- 1	18	11	1080.0	0.0	0.0	П	1260.0	0.0	0.0			i	İ
١	19		1140.0	0.0	0.0	11	1330.0	0.0	0.0		1	1	į
-1	20		1200.0	0.0	0.0	11	1400.0	0.0	0.0			1	ſ
1	21		1260.0	0.0	0.0	П	1470.0	0.0	0.0		l l	Į	İ
ļ	22	11	1320.0	0.0	0.0	П	1540.0	0.0	0.0			1	- 1
1	23		1380.0	0.0	0.0	11	1610.0	0.0	0.0]]		1
ļ	24		1440.0	0.0	0.0	11	1680.0	0.0	0.0	П	}	}	i
-	25		1500.0	0.0	0.0		1750.0	0.0	0.0	П		ł	ļ
-	26		1560.0	0.0	0.0		1820.0	0.0	0.0	П			1
1	27	: :	1620.0	0.0	0.0	: -	1890.0	0.0	0.0	П		,	
ļ	28		1680.0	0.0	0.0	: :	1960.0	0.0	0.0		[1
ļ			1740.0	0.0			2030.0	0.0	0.0	IJ	!	ļ	ļ
1	30		1800.0	0.0	0.0		2100.0	0.0	0.0	֓֞֝֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֡֓֓֓֡֓֡֝֡֓֡֓֡֡֡֡֡֡	ļ	ļ	ļ
]			1860.0	0.0	,		2170.0	0.0	0.0		!	ļ	ļ
1			1920.0	_			2240.0			: :		1	!
			1980.0			: 1	2310.0	0.0		: :		ļ	!
			2040.0			: :	2380.0	0.0					ļ
i			2100.0		•		2450.0	0.0		 			!
1			2160.0		:	: :	2520.0	0.0		}		į	1
1			2220.0 2280.0	0.0	•		2590.0 2660.0	0.0	0.0	 [ļ	t	ļ
1			2340.0				2660.0	0.0	0.0	 -	1	[-
1			2400.0				2730.0 2800.0		0.0]	i i	 	
+			2400.0	•						 -+	·	 +	 +
+		. , 		•						. ′ ++		+	 +
i	(OA	SPL		-		•	-			•	j	i
÷											·+	+	·

ではない。これでは、一般などのでは、一般などのなった。

F - FREQUENCY HZ

THE PROPERTY OF THE PROPERTY O

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 4 (PITCH ANGLE: 24.4 DEG)

2	60.0	+ SPL +	117 +	++	-2 /	118	Į.		
1 1 2	60.0		SPLA			++	+	+	, ++
2	•		L	F	SPL	SPLA	F	SPL	SPLA
	120.0	107.4	•		113.3		į	1	i
		101.2	•	: :	109.2	93.1	!	!	
	180.0	•	:	: :	103.5	: :	1	!	
	240.0	89.0	80.4	• •	102.4	93.8	ļ	i i	
	300.0	83.6		350.0	97.6	91.0	1		
: - :	360.0	74.6	69.8	420.0	93.9	89.1	Į	[
7	420.0	70.7	65.9	490.0	88.4	85.2	!	!	
8	480.0	69.1 66.1	65.9 62.9	560.0 630.0	85.5 82.4	82.3 80.5	1	\	i I I
	540.0 600.0	52.5	50.6	700.0	78.2	76.3	! 	! !	
11	660.0	0.0	0.0	770.0	74.5	73.7	1] [! ! ! !
: :	720.0	0.0	0.0	840.0	71.4	70.6	! }	1 []
	780.0	0.0	0.0	910.0	65.3	65.3	;	, [! !
14	840.0	0.0	:	980.0	58.1	58.1	i		
	900.0	0.0	•	1050.0	0.0	0.0	i	j	i
	960.0	0.0	•	1120.0	0.0	0.0	i	j	i
	1020.0	•	-	1190.0	0.0	0.0	i	i i	
- 1	1080.0	7	•	1260.0	0.0	i o.o i	i	İ	i
• •	1140.0	1	1	1330.0	0.0	0.0	į	į	i
- : :	1200.0	:		1400.0	0.0	0.0	Ì.	İ	j
	1260.0	:	•	1470.0	0.0	0.0	į	İ	į
22	1320.0	0.0	0.0	1540.0	0.0	0.0	Ì	İ	
23	1380.0	0.0	0.0	1610.0	0.0	0.0	{		
24	1440.0	0.0	0.0	1680.0	0.0	0.0	1		1
25	1500.0	0.0	0.0	1750.0	0.0	0.0	}		1
26	1560.0	0.0	0.0	1820.0	0.0	0.0			
	1620.0	0.0	•	1890.0	0.0	0.0		İ]
•	1680.0	0.0		1960.0	0.0	0.0	ļ		ļ
	1740.0	:	•	2030.0	0.0	0.0			
	1800.0	0.0		2100.0	0.0	0.0	!		. !
	1860.0	0.0	•	2170.0	0.0	0.0	1		1
1 :	11920.0	1		2240.0	0.0	:			. !
	1980.0	•	•	2310.0	0.0	0.0	1		!
	2040 0	-	:	12380.0	0.0	0.0	 	! ! !	
•	2100.0 2160.0	•	: :	2450.0 2520.0	0.0 0.0	0.0 0.0	1		!
•	2220.0	•		2590.0	•	0.0		i 1	· 1
	2280.0	:		2660.0	•				
	2340.0	•		2730.0	•		:	· '	ŀ
	2400.0	•	:	12800.0	•	:		, , , ,	· i
		•			•	•	•	, 	+
+		}	+	+	+	·	+	-	+
	ASPL					99.8		 +	

⁻ FREQUENCY HZ

SPL - SCUND PRESSURE LEVEL. DB RE 2E-5 PA

SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 5 (PITCH ANGLE: 24.4 DEG)

CC-1 / 117 CC-2 / 118 HN F SPL SPLA F SPL SPLA F 1 60.0 108.2 82.0 70.0 114.7 88.5 2 120.0 102.5 86.4 140.0 110.5 94.4 3 180.0 94.0 83.1 210.0 101.4 90.5 4 240.0 85.4 76.8 280.0 101.8 93.2 5 300.0 82.4 75.8 350.0 99.6 93.0	SPL SPLA
HN F	SPL SPLA
2 120.0 102.5 86.4 140.0 110.5 94.4 3 180.0 94.0 83.1 210.0 101.4 90.5 4 240.0 85.4 76.8 280.0 101.8 93.2	
3 180.0 94.0 83.1 210.0 101.4 90.5 4 240.0 85.4 76.8 280.0 101.8 93.2	
4 240.0 85.4 76.8 280.0 101.8 93.2	iiii
5 300.0 82.4 75.8 350.0 99.6 93.0 6 360.0 82.2 77.4 420.0 91.6 86.8	
7 420.0 75.3 70.5 490.0 86.5 83.3	
8 480.0 65.8 62.6 560.0 86.2 83.0	iiii
9 540.0 58.9 55.7 630.0 82.0 80.1	i i i
10 600.0 60.0 58.1 700.0 76.6 74.7	i i i
11 660.0 0.0 0.0 770.0 74.0 73.2	i i i
12 720.0 0.0 0.0 840.0 69.1 68.3	i i i
13 780.0 0.0 0.0 910.0 62.5 62.5	1 1
14 840.0 0.0 0.0 980.0 59.9 59.9	
15 900.0 0.0 0.0 1050.0 0.0 0.0	
16 960.0 0.0 0.0 1120.0 0.0 0.0	<u> </u>
17 1020.0 0.0 0.0 1190.0 0.0 0.0	!!!!
18 1080.0 0.0 0.0 1260.0 0.0 0.0	
19 1140.0 0.0 0.0 1330.0 0.0 0.0	
20 1200.0 0.0 0.0 1400.0 0.0 0.0	
21 1260.0 0.0 0.0 1470.0 0.0 0.0 22 1320.0 0.0 0.0 1540.0 0.0 0.0	
23 1380.0 0.0 0.0 1610.0 0.0 0.0	
24 1440.0 0.0 0.0 1680.0 0.0 0.0	
25 1500.0 0.0 0.0 1750.0 0.0 0.0	
26 1560.0 0.0 0.0 1820.0 0.0 0.0	i i i
27 1620.0 0.0 0.0 1890.0 0.0 0.0	i i i
28 1680.0 0.0 0.0 1960.0 0.0 0.0	i i i
29 1740.0 0.0 0.0 2030.0 0.0 0.0	i i i
30 1800.0 0.0 0.0 2100.0 0.0 0.0	
31 1860.0 0.0 0.0 2170.0 0.0 0.0	
32 1920.0 0.0 0.0 2240.0 0.0 0.0	
33 1980 0 0.0 0.0 2310 0 0.0 0.0	!!!!
34 2040.0 0.0 0.0 2380.0 0.0 0.0	
35 2100.0 0.0 0.0 2450.0 0.0 0.0	
36 2160.0 0.0 0.0 2520.0 0.0 0.0	
37 2220.3 0.0 0.0 2590.0 0.0 0.0 38 2280.0 0.0 0.0 2660.0 0.0 0.0	!] !
38 2280.0	
40 2400.0 0.0 0.0 2800.0 0.0 0.0	iii
+++++++++++++	++ ++
OASPL 109.4 89.8 116.5 99.9	

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA
SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 6 (PITCH ANGLE: 24.4 DEG)

DATA-POINT / RUN CC-1 / 117 CC-2 / 118													
		1	cc	-1 /		•	•	-2 /	118	1			
	HN		F	SPL	-	-	-	SPL	SPLA		F	SPL	SPLA
1	1			•	•	•	•	•	-	1]	}	
ŀ				•	•		•	•	•	•	•]
- [: : .		•	•	•	•	•	•	}		!	j
ŀ				•	•	•	•	•	•	ļ	 		
-	_	: : .		1	Ī	:	:	:	1	: :			
		: :		•	:	:	:	:	:	: :			ļ ,
		: :		•	-	!	:	:	•	 			1
!		: :		•	•	1	Ī	:	:]
1		: : .		:	<u> </u>	l I		•	:	1 1 1 1		! !	
i		: :		•	•	:	•	:		1 I		! !	
i		: :		:	•	•	•	:	:	ij			· .
i		• •		•	•	•	•	1	-	•		i	i
i		: :		<u>.</u>	•			•	•	: :		i i	i
į	15	: :		-	•	İ	1050.0	1	:	ij		i	i
Ì	16	9	60.0	0.0	0.0	ĺ	1120.0	0.0	0.0	İ		İ	j
- [17	10	20.0	0.0	0.0	1	1190.0	0.0	0.0				Í
- 1	18	10	0.08	0.0	0.0		1260.0	0.0	0.0	П			1
-	19	11	40.0	0.0	0.0		1330.0	0.0	0.0	Н	İ		1
ļ		: :		1	•	•	•	•	•	: :			[
!		: :		:		:]		•]]	į		ļ
}		: :		:		: '			-	וַוּ		1)
ļ						: :			•	!	1	}	1
- [•	•				ļ		
-				:						 			ļ
- [:		•				 			I I
i				:		•				! ! ! !			}
i						•				: :	į	ļ	
i				-						i	i	i	i
İ										İİ	i	i	i
İ	32	19	20.0	0.0	0.0	l	2240.0	0.0	0.0	П	Ì	į	i
İ	33	19	80.0	0.0	0.0	1	2310.0	0.0	0.0			- 1	ĺ
-				0.0	0.0	1	2380.0	0.0	0.0	1	ł	1	1
١			00.0	-			2450.0		0.0	Н		ļ.	1
1				0.0			2520.0			: :		!	}
1				0.0			2590.0					!	ļ
1				0.0	0.0		2660.0	0.0	0.0	:		!	!
1							2730.0					!	ļ
1	•			0.0			2800.0	•			 +	 +	 +
+											•	+	+
ı	(, 					1	ì
+												+	

F - FREQUENCY HZ

こうしょ かいかんかん 一名のかんからは 一名のかんからな 自なりからしては 一名をもならならない

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 7 (PITCH ANGLE: 24.4 DEG)

		+								
HN		İ			DATA-1	POINT /	RUN			
1	4	cc	CC-1 /	117	l cc-	2 /	118			
2 120.0 94.5 78.4 140.0 102.3 86.2	HN	F	F SP	, SPLA	F	SPL	SPLA	F	SPL	SPLA
3 180.0 81.5 70.6 210.0 93.7 82.8	1	60.0	60.0 105.	78.9	70.0	111.6	85.4			
4 240.0 74.1 65.5 280.0 79.8 71.2	2	120.0	120.0 94.5	78.4	140.0	102.3	86.2	i i		
5 300.0 73.9 67.3 350.0 83.3 76.7	3	180.0	180.0 81.5	70.6	210.0	93.7	82.8	11 1		Ì
6	4	240.0	•		280.0	79.8	71.2			
7	5	: :		: :	:		:			
8		• •	•	: :				7		
9 540.0 58.0 54.8 630.0 0.0 0.0		: :								
10				: : :						
11	•	: :		: :	•					
12 720.0 0.0 0.0 840.0 0.0 0.0		: :		: :	!			1		
13 780.0 0.0 0.0 910.0 0.0 0.0	•	: :	•		•				[
14 840.0 0.0 0.0 980.0 0.0 0.0	•	: :			:			P		
15		: :	•	• •	•					
16 960.0 0.0 0.0 1120.0 0.0 0.0	•	1 1	:	•	•					
17 1020.0 0.0 0.0 1190.0 0.0 0.0	:	: :			-			i		
18 1080.0	•							i i		
19 1140.0 0.0 0.0 1330.0 0.0 0.0	•	, ,	5		•			i i		
21 1260.0 0.0 0.0 1470.0 0.0 0.0					•			ı i i	İ	
22	20	[[1200.0	1200.0 0.0	1 0.0 1	[1400.0]	0.0	0.0	1 1		
23	21	1260.0	1260.0 0.0	0.0	1470.0	0.0	0.0	1 1	1	
24 1440.0 0.0 0.0 1680.0 0.0 0.0	22	1320.0	1320.0 0.0	0.0	11540.0	0.0	0.0	1 1	l	
25 1500.0 0.0 0.0 1750.0 0.0 0.0	•	: :	· · · · · · · · · · · · · · · · · · ·	1 1			0.0	1 1	ļ	ļ
26 1560.0 0.0 0.0 1820.0 0.0 0.0	•	: :		: :	: :			!!!	Į	
27 1620.0 0.0 0.0 1890.0 0.0 0.0	•	• •	•					! !	!	
28 1680.0 0.0 0.0 1960.0 0.0 0.0	•	• •	•	: :	1		•	!!!	1	
29 1740.0 0.0 0.0 2030.0 0.0 0.0					•					
30 1800.0 0.0 0.0 2100.0 0.0 0.0	•	• •		: :			:		 	Į
31 1860.0 0.0 0.0 2170.0 0.0 0.0	•	: :	•		•		· · · · · · · · · · · · · · · · · · ·]	l I	
32 1920.0 0.0 0.0 2240.0 0.0 0.0	•		•	1					i	(
33 1980.0 0.0 0.0 2210.0 0.0 0.0	•				•	•		: :	Š	İ
34 2040.0 0.0 0.0 2380.0 0.0 0.0	•	: :					_	· :	i	ļ
35 2100.0 0.0 0.0 2450.0 0.0 0.0	•	• •	•					: :	i	Ì
37 2220.0 0.0 0.0 2590.0 0.0 0.0	•		•	: :	:			i	i	į
38 2280.0 0.0 0.0 12660.0 0.0 0.0	36	2160.0	2160.0 0.0	1 0.0	2520.0	0.0	0.0	1 1	İ	ĺ
39 2340.0 0.0 0.0 2730.0 0.0 0.0	37	12220.0	2220.0 0.0	•			•	1	j	ĺ
40 2400.0 0.0 0.0 2800.0 0.0 0.0	•		•]]	}	ì
+++++++++		1 1	:					!!!	ļ	ļ
	•		•				•	İ į		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<b>+</b>		•				-	.+		
OASPL   105.5   82.3       112.2   90.1	1 (		•							
OASTE   103.3   62.3       112.2   90.1	+								 +	 

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 9 ( PITCH ANGLE: 24.4 DEG )

	+ 					DATA-1	POINT /	RUN				• <b></b>
+	)   	CC-	-1 / :	117		CC	-2 /	118		<b> </b>	<b></b>	
HN		F	SPL	SPLA		F	SPL	SPLA		F	SPL	SPLA
1	П	60.0	106.8	80.6		70.0	109.6	83.4	1			
•	11		•	84.6	•	•	:	:				
3	Ш		:	82.6	•	•	•	87.0				
1 4	!!		83.6	<u> </u>	:	•	102.3	•		· ·		
5	!!		82.9		: :		96.5					
6	11	360.0	•		]							
7	!!	420.0	66.6	•		490.0	:	80.9				
8	11	480.0	64.6			560.0	:	82.8				
9	ij	540.0	0.0	:		630.0	:	76.8				
1 10	!!	600.0	0.0	:			76.7	74.8	ļ			
11	!!	660.0	0.0				76.5	75.7				
12		720.0	0.0	•			70.0	69.2		i i		
1 13	11	780.0	0.0				62.5	62.5	'   		, <u>, , , , , , , , , , , , , , , , , , </u>	
1 14		840.0 900.0	0.0	:				0.0     0.0	! !	İ		ļ
15	11	960.0	0.0			1050.0  1120.0		0.0     0.0	  -			
16   17	]	1020.0	0.0	: :		1120.0	0.0 0.0	0.0				!
-	: :	1020.0				1260.0		0.0	1		I	l I
1	: :	1140.0				1330.0		:	¦			l I
-	: :	1200.0				1400.0	:	0.0	ì	,	ì	
•	: :	1260.0	0.0	:		1470.0		0.0	i		i	
22	: :	1320.0	0.0	:		1540.0		0.0	i		Ì	
	: :	1380.0	0.0	: :		1610.0		0.0	i		i	
	: :	1440.0	0.0	:		1680.0		0.0	i	i	j	į
•	: :	1500.0	0.0			1750.0		0.0	i	i	i	
•	: :	1560.0	0.0	:		1820.0		0.0 i	i	i		
	: :	1620.0	0.0			1890.0		0.0	į	į	i	
28	H	1680.0	0.0	0.0		1960.0	0.0	0.0	Ì	ĺ	İ	ĺ
29	П	1740.0	0.0	0.0	I	2030.0	0.0	0.0	1	ļ		İ
30	П	1800.0	0.0	0.0	Ì	2100.0	0.0	0.0	1	ĺ	İ	ĺ
		1860.0	0.0			2170.0	0.0			1	}	i
32	П	1920.0	0.0			2240.0		0.0		1	1	İ
•		1980.0			•	2310.0	0.0	0.0	1	1	1	i
34	П	2040.0	0.0			2380.0	0.0	0.0		l	1	1
35	11	2100.0			•	2450.0	0.0	0.0	- :		1	1
•		2160.0				2520.0	0.0	0.0	- :	:	!	
		2220.0				2590.0	0.0	0.0	- :	:	ļ	
		2280.0				2660.0			- :		ļ	
-		2340.0			•	2730.0			•			)
•		2400.0				2800.0						
+	++											
1 (	 n ^										1	
+	∪ <i>H</i> 										l ↓	ا 4
	_			, <b></b>	7		7	<del>-</del>	•	. – 1	1	- 1

F - FREQUENCY HZ SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

MICROPHONE: MP 1 ( PITCH ANGLE: 24.4 DEG )

HN    F   SPL   SPLA    F   SPL   SPLA    F											
HN    F	C-7 /	121									
2     120.0   90.5   74.4     140.0   97.7   81.6     150.0   3     180.0   81.7   70.8     210.0   95.2   84.3   225.0   4   240.0   79.6   71.0   280.0   88.9   80.3   300.0   5   300.0   69.9   63.3   350.0   84.1   77.5   375.0   6   360.0   62.6   57.8   420.0   73.9   69.1   450.0   7   420.0   0.0   0.0   490.0   63.2   60.0   525.0   8   480.0   0.0   0.0   560.0   0.0   0.0   600.0   9   540.0   0.0   0.0   630.0   0.0   0.0   675.0   10   600.0   0.0   0.0   7700.0   0.0   0.0   750.0   11   660.0   0.0   0.0   770.0   0.0   0.0   825.0   12   720.0   0.0   0.0   840.0   0.0   0.0   975.0   13   780.0   0.0   0.0   910.0   0.0   0.0   975.0   14   840.0   0.0   0.0   980.0   0.0   0.0   1125.0   15   900.0   0.0   0.0   1120.0   0.0   1120.0   0.1   1125.0   16   960.0   0.0   0.0   1120.0   0.0   0.0   1125.0   18   1080.0   0.0   0.0   1130.0   0.0   0.0   11350.0   19   1140.0   0.0   0.0   1330.0   0.0   0.0   11350.0   19   1140.0   0.0   0.0   1330.0   0.0   0.0   11500.0   21   1260.0   0.0   0.0   11575.0   20   1200.0   0.0   0.0   11400.0   0.0   0.0   11575.0   21   11260.0   0.0   0.0   11575.0   21   11260.0   0.0   0.0   11575.0   21   11260.0   0.0   0.0   11575.0   21   11260.0   0.0   0.0   11575.0   21   11260.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   11575.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.	SPL	SPLA									
3     180.0   81.7   70.8     210.0   95.2   84.3   225.0   4     240.0   79.6   71.0     280.0   88.9   80.3   300.0   5   300.0   69.9   63.3   350.0   84.1   77.5   375.0   6   360.0   62.6   57.8   420.0   73.9   69.1   450.0   7   420.0   0.0   0.0   490.0   63.2   60.0   525.0   8   480.0   0.0   0.0   560.0   0.0   0.0   600.0   9   540.0   0.0   0.0   630.0   0.0   0.0   675.0   10   600.0   0.0   0.0   770.0   0.0   0.0   750.0   11   660.0   0.0   0.0   770.0   0.0   0.0   825.0   12   720.0   0.0   0.0   840.0   0.0   0.0   975.0   13   780.0   0.0   0.0   910.0   0.0   0.0   975.0   14   840.0   0.0   0.0   980.0   0.0   0.0   1125.0   15   900.0   0.0   0.0   1120.0   0.0   1275.0   18   1080.0   0.0   0.0   1120.0   0.0   1275.0   18   1080.0   0.0   0.0   11330.0   0.0   0.0   1350.0   19   1140.0   0.0   0.0   11500.0   21   1260.0   0.0   0.0   1470.0   0.0   0.0   1575.0   21   1260.0   0.0   0.0   1470.0   0.0   0.0   1575.0   21   1260.0   0.0   0.0   1470.0   0.0   0.0   1575.0   21   1260.0   0.0   0.0   1470.0   0.0   0.0   1575.0   21   1260.0   0.0   0.0   1470.0   0.0   0.0   1575.0   21   1260.0   0.0   0.0   1470.0   0.0   0.0   1575.0   21   1260.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   1575.0   0.0   0.0   0.0   1575.0   0.0   0.0   0.0   0.0	1109.4	86.9									
4     240.0   79.6   71.0     280.0   88.9   80.3   300.0   5     300.0   69.9   63.3   350.0   84.1   77.5   375.0   6     360.0   62.6   57.8     420.0   73.9   69.1     450.0   7     420.0   0.0   0.0     490.0   63.2   60.0     525.0   8     480.0   0.0   0.0     560.0   0.0   0.0     600.0   9     540.0   0.0   0.0     630.0   0.0   0.0     675.0   10     600.0   0.0   0.0     770.0   0.0   0.0     750.0   11     660.0   0.0   0.0     770.0   0.0   0.0     825.0   12     720.0   0.0   0.0     840.0   0.0   0.0     900.0     13     780.0   0.0   0.0     910.0   0.0   0.0     975.0     14     840.0   0.0   0.0     980.0   0.0   0.0     1125.0     15     900.0   0.0   0.0     1120.0   0.0     1120.0     1275.0     18     1080.0   0.0   0.0     11260.0   0.0   0.0     1350.0     19     1140.0   0.0   0.0     1330.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     14400.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     14470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1270.0   0.0     1270.0   0.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0     12775.0       12775.0       12775.0	•	91.0									
5     300.0   69.9   63.3     350.0   84.1   77.5     375.0   6     360.0   62.6   57.8     420.0   73.9   69.1     450.0   7     420.0   0.0   0.0     490.0   63.2   60.0   525.0   8     480.0   0.0   0.0     560.0   0.0   0.0     600.0   9     540.0   0.0   0.0     630.0   0.0   0.0     675.0   10     600.0   0.0   0.0     770.0   0.0   0.0     750.0   11     660.0   0.0   0.0     770.0   0.0   0.0     825.0   12     720.0   0.0   0.0     840.0   0.0   0.0     900.0     13     780.0   0.0   0.0     910.0   0.0   0.0     975.0     14     840.0   0.0   0.0     980.0   0.0   0.0     1050.0     15     900.0   0.0   0.0     1120.0   0.0     1125.0     16     960.0   0.0   0.0     1120.0   0.0     1275.0     18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0     19     1140.0   0.0   0.0     1330.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     157	•	89.7									
6     360.0   62.6   57.8     420.0   73.9   69.1     450.0     7     420.0   0.0   0.0     490.0   63.2   60.0   525.0     8     480.0   0.0   0.0     560.0   0.0   0.0     600.0     9     540.0   0.0   0.0     630.0   0.0   0.0     675.0     10     600.0   0.0     0.0     770.0   0.0   0.0     750.0     11     660.0   0.0   0.0     770.0   0.0   0.0     825.0     12     720.0   0.0   0.0     840.0   0.0   0.0     900.0     13     780.0   0.0   0.0     910.0   0.0   0.0     975.0     14     840.0   0.0   0.0     980.0   0.0   0.0     1050.0     15     900.0   0.0     0.0     1120.0   0.0     1120.0     17     1020.0   0.0   0.0     1120.0     0.0     1275.0     18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0     19     1140.0   0.0   0.0     1330.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     1575.0   1670.0   0.0   0.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0	•	91.0									
7     420.0   0.0   0.0     490.0   63.2   60.0     525.0   8     480.0   0.0   0.0     560.0   0.0   0.0     600.0   9     540.0   0.0   0.0     630.0   0.0   0.0     675.0   10     600.0   0.0   0.0     770.0   0.0   0.0     750.0   11     660.0   0.0   0.0     770.0   0.0   0.0     825.0   12     720.0   0.0   0.0     840.0   0.0   0.0     900.0     13     780.0   0.0   0.0     910.0   0.0   0.0     975.0     14     840.0   0.0   0.0     980.0   0.0   0.0     1050.0     15     900.0   0.0     0.0     1050.0   0.0     0.0     1125.0     16     960.0   0.0   0.0     1120.0   0.0     0.0     1275.0     18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0     19     1140.0   0.0   0.0     1330.0   0.0   0.0     1425.0     20     1200.0   0.0   0.0     14400.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0       1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1575.0     1	•	83.8									
8     480.0   0.0   0.0     560.0   0.0   0.0     600.0	•	75.9									
9     540.0   0.0   0.0     630.0   0.0   0.0     675.0   10     600.0   0.0   0.0     700.0   0.0   0.0     750.0   11     660.0   0.0   0.0     770.0   0.0   0.0     825.0   12     720.0   0.0   0.0     840.0   0.0   0.0     900.0   13     780.0   0.0   0.0     910.0   0.0   0.0     975.0   14     840.0   0.0   0.0     980.0   0.0   0.0     1050.0   15     900.0   0.0     0.0     1050.0   0.0     1125.0   16     960.0   0.0   0.0     1120.0   0.0     0.0     1275.0   17     1020.0   0.0   0.0     1120.0   0.0   0.0     1275.0   18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0   19     1140.0   0.0   0.0     1330.0   0.0   0.0     12575.0   12     1260.0   0.0   0.0     1425.0   12     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   12     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   12     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0	•	78.7									
10     600.0   0.0   0.0     700.0   0.0   0.0     750.0     11     660.0   0.0   0.0     770.0   0.0   0.0     825.0   12     720.0   0.0   0.0     840.0   0.0   0.0     900.0     13     780.0   0.0   0.0     910.0   0.0   0.0     975.0     14     840.0   0.0   0.0     980.0   0.0   0.0     1050.0		70.7									
11	•	68.8   76.3									
12     720.0   0.0   0.0     840.0   0.0   0.0     900.0	•	68.1									
13     780.0   0.0   0.0     910.0   0.0   0.0     975.0   14     840.0   0.0   0.0     980.0   0.0   0.0     1050.0   15     900.0   0.0   0.0     1050.0   0.0   0.0     1125.0   16     960.0   0.0   0.0     1120.0   0.0   0.0     1200.0   17     1020.0   0.0   0.0     1190.0   0.0   0.0     1275.0   18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0   19     1140.0   0.0   0.0     1330.0   0.0   0.0     1425.0   20     1200.0   0.0   0.0     14400.0   0.0   0.0     1575.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   21   1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0   180.0	•	68.4									
14     840.0   0.0   0.0   980.0   0.0   0.0     1050.0   15     900.0   0.0   0.0     1050.0   0.0   0.0     1125.0   16     960.0   0.0   0.0     1120.0   0.0   0.0     1200.0   17     1020.0   0.0   0.0     1190.0   0.0   0.0     1275.0   18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0   19     1140.0   0.0   0.0     1330.0   0.0   0.0     1425.0   20     1200.0   0.0   0.0     1400.0   0.0   0.0     1575.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   21   1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1575.0   1	•	60.1									
15     900.0   0.0   0.0     1050.0   0.0   0.0     1125.0   16     960.0   0.0   0.0     1120.0   0.0   0.0     1200.0   17     1020.0   0.0   0.0     1190.0   0.0   0.0     1275.0   18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0   19     1140.0   0.0   0.0     1330.0   0.0   0.0     1425.0   20     1200.0   0.0   0.0     1400.0   0.0   0.0     1575.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0	•	55.7									
16     960.0   0.0   0.0     1120.0   0.0   0.0     1200.0   17     1020.0   0.0   0.0     1190.0   0.0   0.0     1275.0   18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0   19     1140.0   0.0   0.0     1330.0   0.0   0.0     1425.0   20     1200.0   0.0   0.0     1400.0   0.0   0.0     1500.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0	•	0.0									
17     1020.0   0.0   0.0     1190.0   0.0   0.0     1275.0   18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0   19     1140.0   0.0   0.0     1330.0   0.0   0.0     1425.0   20     1200.0   0.0   0.0     1400.0   0.0   0.0     1500.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0	•	0.0									
18   1080.0   0.0   0.0    1260.0   0.0   0.0    1350.0       19    1140.0   0.0   0.0    1330.0   0.0   0.0    1425.0       20    1200.0   0.0   0.0    1400.0   0.0   0.0    1500.0       21    1260.0   0.0   0.0    1470.0   0.0   0.0    1575.0	•	0.0									
19     1140.0   0.0   0.0     1330.0   0.0   0.0     1425.0   20     1200.0   0.0   0.0     1400.0   0.0   0.0     1500.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0	•	0.0									
20     1200.0   0.0   0.0     1400.0   0.0   0.0     1500.0   21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0		0.0									
21   1260.0   0.0   0.0   1470.0   0.0   0.0   1575.0	•	0.0									
		0.0									
1 22   1220:0   0:0   0:0   13:0:0   0:0   0:0   12:000:0	•	0.0									
23   1380.0   0.0   0.0   1610.0   0.0   0.0   1725.0	•	0.0									
24   1440.0   0.0   0.0   11680.0   0.0   0.0   11800.0	•	0.0									
25   1500.0   0.0   0.0   1750.0   0.0   0.0   1875.0	•	0.0									
26   1560.0   0.0   0.0   1820.0   0.0   0.0   1950.0	•	0.0									
27   1620.0   0.0   0.0   1890.0   0.0   0.0   2025.0		0.0									
28   1680.0   0.0   0.0   1960.0   0.0   0.0   2100.0	•	0.0									
29   1740.0   0.0   0.0   2030.0   0.0   0.0   2175.0	•	0.0									
30   1800.0   0.0   0.0   12100.0   0.0   0.0   12250.0	•	j 0.0 j									
31   1860.0   0.0   0.0   12170.0   0.0   0.0   12325.0	•	i  0.0  i									
32   1920.0   0.0   0.0     2240.0   0.0   0.0     2400.0	0.0										
33   1980.0   0.0   0.0   2310.0   0.0   0.0   2475.0		: :									
34   2040.0   0.0   0.0   2380.0   0.0   0.0   2550.0		j 0.0 j									
35   2100.0   0.0   0.0   2450.0   0.0   0.0   12625.0		0.0									
36   2160.0   0.0   0.0   2520.0   0.0   0.0   2700.0	0.0	0.0									
37   2220.0   0.0   0.0   2590.0   0.0   0.0   2775.0	0.0	0.0									
38     2280.0   0.0   0.0     2660.0   0.0   0.0     2850.0		0.0									
39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0		0.0									
40   2400.0   0.0   0.0   2800.0   0.0   0.0   3000.0		• •									
+++++++++++											
OASPL  101.0   79.1       106.6   88.3											

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

_____

MICROPHONE: MP 2 ( PITCH ANGLE: 24.4 DEG )

	-	+   			-	DATA-	POINT /	RUN			
+	+-	CC	-3 /	119	1	•	-4 /		CC	-7 / +	121   1
HN	ļ	F +	SPL	SPLA	į	F +	SPL	SPLA	•	SPL	SPLA
1 1	į		102.0	75.8	į	•	108.6	82.4	75.0	1113.0	90.5
2	1	120.0	97.7	81.6	1	•	105.1	89.0	150.0	109.6	96.2
3	ŀ	180.0	93.4	82.5	ļ	•	101.1	90.2	225.0	104.2	95.6
4	ļ	240.0	83.8	75.2	1	280.0	97.2	88.6	300.0	101.3	94.7
) 5   6	!	300.0	79.2   70.6	72.6 65.8	1	350.0	92.6   90.4	: :	375.0	100.2	95.4
1 7	1	360.0	1 68.0	63.2	1	420.0	86.3	83.1     83.1	450.0   525.0	97.1	93.9
1 8	ŀ	420.0   480.0	63.4	60.2	1	490.0	00.3   79.3	•	600.0	89.1	91.7
) 9	!	540.0	61.9	58.7		560.0   630.0	79.3   76.7	: :	675.0	85.5	87.2     83.6
10	i i	600.0	0.0	:		: _	70.7	: : :	750.0	81.9	81.1
111	l		0.0	:	1	770.0	64.7	: :	825.0	82.0	81.2
1 12	ì		0.0	:	l	840.0	66.3	:	900.0	78.6	78.6
13	ì	780.0	0.0		i	910.0	62.7	62.7	975.0	72.8	73.8
14	i,	840.0	0.0	0.0	ì	980.0	57.5	•	1050.0	65.1	65.1
15	i	900.0	0.0	0.0	i	1050.0	0.0		1125.0	63.9	64.5
1 16	i	960.0	0.0	0.0	-	1120.0	0.0		1200.0	62.2	62.8
1 17	i	1020.0	0.0	0.0	-	1190.0	0.0	:	1275.0	55.1	55.7
18		1080.0	0.0	0.0	•	1260.0	0.0	. ,	1350.0	0.0	0.0
•	- 1	1140.0	0.0	•		1330.0	0.0	•	1425.0	0.0	0.0
•	•	1200.0	0.0	•		1400.0	0.0		1500.0	0.0	0.0
•	•	1260.0	0.0	•	•	1470.0	0.0		1575.0	0.0	0.0
*		1320.0	0.0	•	•	1540.0	0.0		1650.0	0.0	i o.o i
•		1380.0	0.0		•	1610.0	0.0	: :	1725.0	0.0	0.0
•		1440.0	0.0		•	1680.0	0.0	• •	1800.0	0.0	i 0.0 i
25	П	1500.0	0.0	0.0	ĺ	1750.0	0.0	0.0	1875.0	0.0	0.0
26	H	1560.0	0.0	0.0	ĺ	1820.0	0.0	0.0	1950.0	0.0	0.0
27	11	1620.0	0.0	0.0	Ì	1890.0	0.0	0.0	2025.0	0.0	0.0
28	11	1680.0	0.0	0.0		1960.0	0.0	0.0	2100.0	0.0	0.0
•		1740.0	0.0	0.0		2030.0	0.0	0.0	2175.0	0.0	0.0
•		1800.0	0.0			2100.0	0.0	0.0 ]	2250.0	0.0	0.0
•		1860.0	0.0		•	2170.0	0.0		2325.0	0.0	0.0
		1920.0				2240.0			2400.0		
		1980.0				2310.0		•	2475.0	•	
		2040.0			•	2380.0			2550.0	-	0.0
*		2100.0				2450.0			2625.0	•	0.0
		2160.0				2520.0			12700.0		0.0
		2220.0				2590.0			2775.0	•	0.0
		2280.0				2660.0			2850.0	•	0.0
		2340.0							2925.0		
•		2400.0	•			2800.0			3000.0 +		
+					+-1			+	+	+	+
									{ +		103.1

※ ■なるのではは、■できななど、■できななどでは、■をきなっているともも。

F - FREQUENCY HZ

TOURS OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE P

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 3 ( PITCH ANGLE: 24.4 DEG )

		+	+ [			_	DATA-	POINT /	RUN				+
+		+-	CC	-3 /	119	1	l cc	-4 /	120		l cc	-7 / +	121   +
	HN	1	F	SPL	SPLA		F	SPL	SPLA		F	SPL	SPLA
1	1		•	103.8	•		:	109.7	•		•	1113.9	91.4
1	2	l.	120.0   180.0	98.9   93.4		1	:	106.5  102.6	90.4     91.7		150.0   225.0	110.7  107.3	97.3     98.7
	4	1	•	86.6	:	i		98.8	90.2		•	107.5	96.9
i	5	i	!	75.1		ŀ		95.3	88.7		•	103.3	99.5
i	6	i	•	77.3	72.5	ì	420.0	92.9	88.1		•	100.2	97.0
i	7	i	:	72.6	:	i	-	87.0	83.8		525.0	95.5	92.3
i	8	i		66.3		i		85.2		İ	:	93.7	91.8
į	9	İ	540.0	58.9	55.7	İ	630.0	81.1			675.0	91.7	89.8
İ	10	Ü	600.0	0.0	0.0	ĺ	700.0	76.5	74.6		750.0	88.4	87.6
-	11		660.0	0.0	0.0	1	770.0	72.8	72.0		825.0	85.2	84.4
1	12	1	•	0.0	0.0	1	840.0	67.6	66.8		900.0	82.1	82.1
-	13		780.0	0.0	0.0	ļ	910.0	65.5	•		•	80.1	80.1
-	14		840.0	0.0	0.0	ļ	980.0	0.0	•		1050.0	76.4	76.4
ļ	15		900.0	0.0	•	•	1050.0	0.0			1125.0	70.6	71.2
-	16		960.0	0.0	•	•	1120.0	0.0	•		1200.0	67.7	68.3
1	17		1020.0	•	•	•	1190.0	0.0	•		1275.0	66.2	66.8
	18 19		1080.0 1140.0	0.0		•	1260.0  1330.0	0.0	•		1350.0  1425.0	61.0   51.7	61.6
1			1200.0	0.0	•		1400.0	0.0			1500.0	0.0	52.7     0.0
i			1260.0	0.0	•	•	1470.0	0.0			1575.0	0.0	0.0
i			1320.0	0.0		•	1540.0	0.0		•	1650.0	0.0	0.0
i			1380.0	0.0	•	•	1610.0	0.0			1725.0	0.0	0.0
i		٠.	1440.0	0.0	-	•	1680.0	0.0			1800.0	0.0	0.0
i			1500.0	0.0			1750.0	0.0			1875.0	0.0	0.0
İ			1560.0	0.0	<u> </u>	•	1820.0	0.0			1950.0	0.0	0.0
į	27	П	1620.0	0.0	0.0	Ì	1890.0	0.0	0.0	Ì	2025.0	0.0	0.0
-	28	11	1680.0	0.0	0.0	ļļ	1960.0	0.0	0.0	ļ	2100.0	0.0	0.0
			1740.0	0.0			2030.0	0.0	0.0	١	2175.0	0.0	0.0
١			1800.0	0.0			2100.0	0.0		•	2250.0	0.0	0.0
!			1860.0	0.0		•	2170.0	0.0		•	2325.0	0.0	0.0
			1920.0				2240.0				2400.0		
1			1980.0				2310.0			-	2475.0	-	•
1			2040.0				2380.0		•		2550.0	•	•
			2100.0   2160.0			: :	2450.0 2520.0				2625.0   2700.0	•	
			2220.0			: :	2590.0				2775.0		0.0     0.0
		: :	2280.0			: :	2660.0		•		2850.0		0.0
i			2340.0										0.0
į			2400.0					•					0.0
+-													
+-			SPL										
+-			+										

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 4 ( PITCH ANGLE: 24.4 DEG )

	!			DATA-	POINT /	RUN			
+	cc   cc	-3 /	119	CC	C-4 /	120	l cc	-7 / +	121
HN	F	SPL	SPLA	]   F	SPL	SPLA	F	SPL	SPLA
1	: :	105.3	79.1	70.0	111.2	85.0		114.6	92.1
2	120.0	99.4	•	140.0	107.8	91.7	•	111.2	97.8
	180.0	93.4	82.5	210.0	102.8	91.9	225.0	108.5	99.9
4	240.0	88.3	79.7   74.2	280.0	101.4	92.8     89.2	300.0	106.4	99.8
5   6	300.0	80.8	74.2   71.0	350.0    420.0	93.6	87.9	375.0   450.0	103.8	99.0
7	]] 360.0    420.0	] 75.8   69.3	64.5	1 420.0	90.0	86.8	525.0	97.2	97.3     94.0
6	420.0	67.6	64.4	560.0	84.1	80.9	600.0	95.0	93.1
9	1 540.0	60.6	57.4	630.0	82.3	80.4	675.0	91.8	89.9
10	600.0	0.0	0.0	700.0	77.2	75.3	750.0	89.1	88.3
111	660.0	0.0		770.0	74.0	73.2	825.0	85.6	84.8
12	720.0	0.0	0.0	840.0	71.4	70.6	900.0	82.6	82.6
1 13	780.0	0.0	0.0	910.0	66.8	:	975.0	80.3	80.3
14	840.0	0.0	0.0	980.0	64.0		1050.0	76.7	76.7
15	900.0	0.0	0.0	1050.0	59.6		1125.0	74.7	75.3
16	960.0	0.0	0.0	1120.0	0.0	0.0	1200.0	70.7	71.3
17	11020.0	0.0	0.0	11190.0	0.0	0.0	1275.0	61.3	61.9
18	1080.0	0.0	0.0	1260.0	0.0	0.0	1350.0	56.6	57.2
19	1140.0	0.0	0.0	1330.0	0.0	0.0	1425.0	56.9	57.9
20	1200.0	0.0	0.0	1400.0	0.0	0.0	1500.0	0.0	0.0
21	1260.0	0.0	0.0	1470.0	0.0	•	1575.0	0.0	0.0
•	1320.0	0.0	•	11540.0	0.0	•	1650.0	0.0	0.0
•	1380.0	0.0	•	11610.0	0.0		1725.0	0.0	0.0
-	1440.0	0.0	•	1680.0	[ 0.0	•	1800.0	0.0	0.0
•	1500.0	0.0		1750.0	0.0	•	1875.0	0.0	0.0
•	11560.0	0.0		11820.0	0.0		1950.0	0.0	0.0
	1620.0	0.0		11890.0	0.0		2025.0	0.0	0.0
	1680.0	0.0		1960.0	0.0	:	2100.0	0.0	0.0
	1740.0   1800.0	0.0   0.0		2030.0   2100.0	0.0	, ,	{2175.0 {2250.0	0.0 0.0	0.0
1 1	1860.0	0.0	•	12170.0	0.0	•	2325.0	0.0	0.0     0.0
	1920.0			2240.0	0.0		2323.0		: :
	1980.0			2310.0	0.0	: :	2475.0	1	
: :	2040.0			2380.0	0.0		2550.0		
	2100.0	•		2450.0	0.0	: :	2625.0	:	
	2160.0			2520.0	0.0	:	2700.0		:
•	2220.0	•		2590.0	•	: :	2775.0	:	
: :	2280.0			2660.0	•	•	2850.0	•	
	2340.0				•	•	2925.0		0.0
•	12400.0	•		•	•				
+		+	+	+	+	<del> +</del>	+	+	++
	DASPL		87.9   			98.8 ++			106.7   

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

( PITCH ANGLE: 24.4 DEG ) MICROPHONE: MP 5

	+·			DATE A		DUN			
	! !			DATA-	POINT /	KUN			
<b></b>	j cc-	-3 /	119	CC	-4 / :	120	[ CC	-7 / +	121 +
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1 1	60.0	106.3	80.1	70.0	112.8	86.6	75.0	115.6	93.1
2	120.0	100.1	84.0	140.0	109.4	93.3	150.0	112.9	99.5
3	180.0	91.5	80.6	210.0	101.2	90.3	225.0	107.0	98.4
1 4 1	240.0	84.8	76.2	280.0	100.7	92.1	300.0	•	102.1
5	300.0	85.1	78.5	350.0	99.0	92.4	375.0	•	102.4
6	360.0	76.5	71.7	420.0	93.0	88.2	450.0	96.1	92.9
7	420.0	71.0	66.2	490.0	84.1	80.9	525.0	95.0	91.8
8	480.0	57.1	53.9	560.0	86.2	83.0	600.0	95.8	93.9
9	540.0	0.0	0.0	630.0	81.3	79.4	675.0	91.7	89.8
10	600.0	0.0	0.0	700.0	75.2	73.3	750.0	87.6	86.8
11	660.0	0.0	0.0	770.0	70.8	70.0	825.0	85.1	84.3
12	720.0	0.0	0.0	840.0	71.4	70.6	900.0	79.2	79.2
13	780.0	0.0	0.0	910.0	47.8	47.8	975.0	79.2	79.2
14	840.0	0.0	0.0	980.0	0.0	:	1050.0	75.7	75.7
15	900.0	0.0		1050.0	0.0	0.0	1125.0	69.9	70.5
16	960.0	0.0	•	1120.0	0.0	•	1200.0	68.6	69.2
•	1020.0	0.0		1190.0	0.0		1275.0	66.2	66.8
: :	1080.0	0.0	:	1260.0	0.0	1	1350.0	54.0	54.6
: :	1140.0	0.0	: :	1330.0	0.0	: :	1425.0	0.0	0.0
	[1200.0	0.0		1400.0	0.0		1500.0	0.0	0.0
	1260.0	0.0		1470.0	0.0		1575.0	0.0	0.0
: :	1320.0	0 0	: :	1540.0	0.0	: :	11650.0	0.0	0.0
	1380.0	0.0		1610.0	0.0	:	1725.0	0.0	0.0
•	1440.0	0.0	:	11680.0	0.0		1800.0	0.0	0.0
	1500.0	0.0		1750.0	0.0		11875.0	0.0	0.0
: :	1560.0	0.0		1820.0	0.0		1950.0	0.0	0.0
	1620.0	0.0		11890.0	0.0		2025.0	0.0	0.0
	1680.0	0.0		1960.0	0.0		2100.0	0.0	0.0
•	1740.0  1800.0	0.0		2030.0  2100.0	0.0		2175.0 2250.0	} 0.0   0.0	0.0     0.0
•	1860.0	0.0		2170.0	0.0		2325.0	0.0	0.0
	1920.0	-		2240.0	0.0		2400.0	-	
1 1	1980.0		. :	2310.0	0.0		12475.0		0.0
	2040.0	0.0	:	2380.0	0.0		2550.0	•	0.0
	2100.0	0.0		2450.0	0.0		2625.0		0.0
1 1	2160.0	0.0		2520.0	0.0		2700.0		
: :	2220.0			2590.0	0.0		2775.0	:	:
	2280.0			2660.0	•		2850.0	-	
	2340.0			2730.0			•	•	
40	2400.0	0.0	0.0	2800.0	0.0	0.0	3000.0	0.0	0.0
				+					
) 0	ASPL	107.4	87.8	+	115.0	99.1	!	118.7	107.7

の他のカラウンの自動のながながれば、「ないないない。 第1200のようなのかない。

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

_____

MICROPHONE: MP 6 ( PITCH ANGLE: 24.4 DEG )

		1				_	DATA-	POINT /	RUN	~	<b></b>		
+-		+-	CC-	-3 /		  -	=	-4 /		•	l cc	-7 / +	121   t
	HN		F	SPL	SPLA	  -	F	SPL	SPLA		F	SPL	SPLA
į	1	l		105.9	79.7	ļ	•	113.9	87.7	į		115.7	93.2
ļ	2		120.0	99.7	83.6	!		108.4	92.3	ļ	•	113.0	99.6
Ì	3		180.0	89.6	78.7	ļ	210.0	99.0	88.1	ļ	•	106.7	98.1
- [	_			79.3	70.7	ļ		100.0	91.4	ļ	•	1106.2	99.6
I	_			78.3   69.6	71.7 64.8	1	350.0	95.0	88.4 82.1	!	•	101.5	96.7
1	7		420.0	58.9	54.1	1	420.0	86.9 82.8	79.6	ŀ	450.0 525.0	91.1   95.1	87.9
ļ	8	1 1	480.0	0.0		! 	490.0   560.0	83.3	80.1	1	600.0	93.1	91.9
1	9		540.0	0.0	:	! [	:	72.7			:	81.0	90.0     79.1
1	10	1	600.0	0.0	:	ĺ	:	62.5	•	l	•	80.9	80.1
-				0.0	:	! 	:	0.0	:	1	•	79.1	30.1     78.3
12    720.0   0.0   0.0    840.0   0.0    900.0   73.5   73.5   13    780.0   0.0    910.0   0.0    975.0   57.8   57.8													
14     840.0   0.0   0.0   980.0   0.0   0.0   1050.0   0.0   0.0												: :	
ì	15	ìì	900.0	0.0		ì	•	0.0	•	:	1125.0	0.0	0.0
i	16	ij	960.0	0.0		-	1120.0	0.0		•	1200.0	0.0	0.0
i	17	ii	1020.0	0.0		•	1190.0	0.0			1275.0	0.0	0.0
i	18		1080.0	0.0			1260.0	0.0			1350.0	0.0	0.0
į	19	٠.	1140.0	0.0		:	1330.0	0.0	•	•	1425.0	0.0	0.0
i	20		1200.0	0.0			1400.0	0.0			1500.0	0.0	0.0
i	21	Ħ	1260.0	0.0		•	1470.0	0.0		-	1575.0	0.0	0.0
İ	22	Ħ	1320.0	0.0		•	1540.0	0.0	•	•	1650.0	0.0	0.0
Ì	23	П	1380.0	0.0	0.0	İ	1610.0	0.0	0.0	ĺ	1725.0	0.0	0.0
1	24	1	1440.0	0.0	0.0		1680.0	0.0	0.0		1800.0	0.0	0.0
1	25	11	1500.0	0.0	0.0	1	1750.0	0.0	0.0		1875.0	0.0	0.0
-	26		1560.0	0.0	0.0		1820.0	0.0	0.0	ļ	1950.0	0.0	0.0
1			1620.0	0.0			1890.0	0.0		•	2025.0	0.0	0.0
•		: :	1680.0	0.0			1960.0	0.0		•	2100.C	0.0	0.0
•			1740.0	0.0			2030.0	0.0			2175.0	0.0	0.0
ļ			1800.0	0.0			2100.0	0.0			2250.0	0.0	0.0
!			1860.0	0.0			2170.0	0.0		•	2325.0	0.0	0.0
			1920.0				2240.0				2400.0		
- 1			1980.0		•		2310.0				2475.0		
•			2040.0				2380.0				2550.0		
•			2100.0				2450.0				2625.0		
										:			
			2280.0				2590.0				2773.0     2850.0		
•			2340.0				2660.0    2730.0				2925.0		
•			2400.0								3000.0		
•											+		•
+-											+		· ·
1													
<del>-</del>										<u>-</u>	+		+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

_____

MICROPHONE: MP 7 ( PITCH ANGLE: 24.4 DEG )

		!			-	DATA-	POINT /	RUN			+ !
+		   CC	-3 /	119 +	1	( cc	-4 /		l cc	-7 /	121
}	IN	    F <del> </del>	SPL	SPLA	•	-	SPL	SPLA	•	SPL	SPLA
•	1	: :	102.3	•		:	112.1	•	•	114.4	91.9
!		120.0	•	:	ļ	•	99.2	83.1	•	107.9	94.5
!		180.0	83.3	•	ļ	:	93.9	83.0	•	101.8	93.2
1	4	240.0	74.9	66.3			82.7	74.1	300.0	85.2	78.6
-	5	300.0	64.7	58.1	1	350.0	80.4	73.8	375.0	83.1	78.3
-	6	360.0	0.0	0.0	ŀ	420.0	77.9	73.1	450.0	•	65.6
	7	420.0	0.0	0.0	-	•	71.1	67.9	525.0	82.0	78.8
1		480.0	0.0		1	•	69.4   52.6	66.2     50.7	600.0   675.0	71.0   69.1	69.1     67.2
1 1		540.0	0.0			•	0.0	30.7	750.0	71.3	67.2     70.5
•	l0 l1	600.0    660.0	0.0		i	•	0.0   0.0	: :	825.0	69.1	70.3     68.3
•		720.0	0.0	•	İ		0.0	: :	900.0	56.7	56.7
•		780.0	0.0		i		0.0	: :	975.0		0.0
•	'	840.0	0.0	:	i		0.0	• .	1050.0	•	1 0.0 I
•	:	900.0	0.0		•	1050.0	0.0	•	1125.0	0.0	0.0
٠.	16	960.0	0.0		•	1120.0	0.0		1200.0	0.0	0.0
		1020.0	0.0	0.0	•	1190.0	0.0	: :	1275.0	0.0	0.0
•		1080.0	0.0	!	•	1260.0	0.0	•	1350.0	0.0	0.0
•		1140.0	0.0	1		1330.0	0.0	•	1425.0	0.0	0.0
!		1200.0	0.0	•		1400.0	0.0		1500.0	0.0	0.0
•		1260.0	0.0	:	•	1470.0	0.0		1575.0	0.0	0.0
•		1320.0	0.0	0.0	•	1540.0	0.0	•	1650.0		0.0
		1380.0   0.0		0.0	•	1610.0	0.0		1725.0	0.0	0.0
•		1440.0	0.0	0.0	•	1680.0	0.0		1800.0		0.0
•		1500.0	j 0.0	:	•	1750.0	0.0		1875.0	0.0	0.0
j 2	26	1560.0	0.0	0.0	Ĺ	1820.0	0.0	0.0	1950.0	0.0	0.0
2	27 j	1620.0	0.0	0.0	1	1890.0	0.0	0.0	2025.0	0.0	0.0
1 2	.8 j	1680.0	0.0	0.0	1	1960.0	0.0	0.0	2100.0	0.0	0.0
2	.9 j	1740.0	0.0	0.0	•	2030.0	0.0	0.0	2175.0	0.0	0.0
3		1800.0	0.0	0.0		2100.0	0.0		2250.0	0.0	0.0
•		1860.0	0.0	•	•	2170.0	0.0		2325.0	0.0	0.0
		1920.0				2240.0			2400.0	•	0.0
•	,	1980.0	•		:	2310.0			2475.0		
•		2040.0	•	•		2380.0	•	:	2550.0		
		2100.0		•		2450.0			2625.0	•	
•		2160.0	-	!	•	2520.0	•		2700.0		, ,
		2220.0		-	•	2590.0			2775.0		•
•		2280.0	•						2850.0		•
,		2340.0	•	•		'			2925.0		
•	•	2400.0	•	•			•		3000.0		•
•		-+	•								
+		ASPL									
! +		JASPL									
+			+		++			r+	<del></del>		

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 9 ( PITCH ANGLE: 24.4 DEG )

1	+				DATA-	POINT /	RUN			
1	   ++	CC-	CC-3 /	119	cc	-4 /			-7 /	121
2     120.0   99.7   83.6   140.0   106.0   89.9   150.0   109.4   93.3   180.0   91.8   80.9   210.0   97.5   86.6   225.0   102.7   94.4   240.0   80.3   71.7   280.0   101.9   93.3   300.0   106.4   95.5   300.0   0.0   0.0   350.0   95.9   89.3   375.0   103.7   95.5   1300.0   0.0   0.0   420.0   88.3   83.5   450.0   98.1   97.5   1420.0   0.0   0.0   490.0   85.3   82.1   525.0   95.3   99.5   88   480.0   0.0   0.0   560.0   85.8   82.6   600.0   94.2   99.5   89.3   1525.0   95.3   99.5   89.3   1525.0   95.3   99.5   89.3   1525.0   95.3   99.5   89.3   10.0   600.0   0.0   630.0   77.2   75.3   675.0   89.3   88.5   1420.0   0.0   0.0   630.0   77.2   75.3   675.0   89.3   88.5   11.5   660.0   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5   80.5	HN	F	F   SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
3     180.0   91.8   80.9     210.0   97.5   86.6   225.0   102.7   9     4     240.0   80.3   71.7   280.0   101.9   93.3   300.0   106.4   9     5     300.0   0.0   0.0   0.0   130.0   95.9   89.3   375.0   103.7   9     6     360.0   0.0   0.0     420.0   88.3   83.5     450.0   98.1   9     7     420.0   0.0   0.0     490.0   85.3   82.1     525.0   95.3   9     8     480.0   0.0   0.0     560.0   85.8   82.6     600.0   94.2   9     9     540.0   0.0   0.0     630.0   77.2   75.3     675.0   89.3   8     10     600.0   0.0   0.0     770.0   76.0   74.1   750.0   89.8   8     11     660.0   0.0   0.0     770.0   73.2   72.4     825.0   85.3   8     12     720.0   0.0   0.0     840.0   70.3   69.5   900.0   82.3   8     13     780.0   0.0   0.0     910.0   61.4   61.4   975.0   75.3   7     14     840.0   0.0   0.0     1050.0   0.0   0.0     1125.0   70.8   7     15     900.0   0.0   0.0     1120.0   0.0   0.0     1250.0   71.0   7     17     1020.0   0.0   0.0     1120.0   0.0   0.0     1275.0   61.9   6     18     1080.0   0.0   0.0     11400.0   0.0   0.0     1125.0   0.0     20     1200.0   0.0   0.0     11400.0   0.0   0.0     1175.0   0.0     21     11260.0   0.0   0.0     11470.0   0.0   0.0     1175.0   0.0     22     1320.0   0.0   0.0     11800.0   0.0   0.0     1175.0   0.0     24     11440.0   0.0   0.0     11800.0   0.0   0.0     1175.0   0.0     25     1500.0   0.0   0.0     11800.0   0.0   0.0     1175.0   0.0     26     1560.0   0.0   0.0     11800.0   0.0   0.0     1175.0   0.0     27     1620.0   0.0   0.0     11800.0   0.0   0.0     11775.0   0.0     26     1560.0   0.0   0.0     12300.0   0.0   0.0     1255.0   0.0     27     1620.0   0.0   0.0     12300.0   0.0   0.0     1255.0   0.0     27     1620.0   0.0   0.0     12300.0   0.0   0.0     1255.0   0.0     38     1280.0   0.0   0.0     12300.0   0.0   0.0     1255.0   0.0     39     12340.0   0.0   0.0     12300.0   0.0   0.0     1255.0   0.0     31   1800.0   0.0   0.0     12300.0   0.0   0.0     12455.0   0.0     38     1220.0   0.0	: :		•				•	:		90.5
4     240.0   80.3   71.7     280.0   101.9   93.3   300.0   106.4   9   5   300.0   0.0   0.0   0.0   350.0   95.9   89.3   375.0   103.7   9   7   420.0   0.0   0.0   420.0   88.3   83.5   450.0   98.1   9   7   420.0   0.0   0.0   490.0   85.3   82.1   525.0   95.3   9   8   8   480.0   0.0   0.0   560.0   85.8   82.1   525.0   95.3   9   9   540.0   0.0   0.0   630.0   77.2   75.3   675.0   89.3   8   10   600.0   0.0   0.0   770.0   76.0   74.1   750.0   89.8   8   11   660.0   0.0   0.0   770.0   770.0   73.2   72.4   825.0   85.3   8   12   720.0   0.0   0.0   770.0   73.2   72.4   825.0   85.3   8   12   720.0   0.0   0.0   980.0   70.3   69.5   900.0   82.3   8   13   780.0   0.0   0.0   980.0   0.0   0.0   1125.0   75.3   7   14   840.0   0.0   0.0   1050.0   0.0   0.0   1125.0   70.8   7   15   900.0   0.0   0.0   1120.0   0.0   0.0   1125.0   70.8   7   17   1020.0   0.0   0.0   1120.0   0.0   0.0   1125.0   70.8   7   17   1020.0   0.0   0.0   11260.0   0.0   0.0   11275.0   61.9   6   18   1080.0   0.0   0.0   1330.0   0.0   0.0   11255.0   0.0   22   11320.0   0.0   0.0   11400.0   0.0   0.0   11550.0   0.0   22   11320.0   0.0   0.0   11470.0   0.0   0.0   11755.0   0.0   22   11320.0   0.0   0.0   11470.0   0.0   0.0   11755.0   0.0   22   11320.0   0.0   0.0   11470.0   0.0   0.0   11755.0   0.0   22   11320.0   0.0   0.0   11470.0   0.0   0.0   11755.0   0.0   22   11320.0   0.0   0.0   11470.0   0.0   0.0   11755.0   0.0   22   11320.0   0.0   0.0   11680.0   0.0   0.0   11755.0   0.0   22   11320.0   0.0   0.0   11690.0   0.0   0.0   11755.0   0.0   22   11320.0   0.0   0.0   11800.0   0.0   0.0   1275.0   0.0   23   11800.0   0.0   0.0   1275.0   0.0   23   11800.0   0.0   0.0   1275.0   0.0   23   11800.0   0.0   0.0   1275.0   0.0   23   11800.0   0.0   0.0   1275.0   0.0   23   11800.0   0.0   0.0   1275.0   0.0   23   11800.0   0.0   0.0   1275.0   0.0   23   11800.0   0.0   0.0   1275.0   0.0   23   11800.0   0.0   0.0   1275.0   0.0   33   11800.0   0.0   0.0   12750.0   0.0   0.0	: :		•	•	•	:		•		96.0
5     300.0   0.0   0.0     350.0   95.9   89.3     375.0   103.7   9   6     360.0   0.0   0.0     420.0   88.3   83.5     450.0   98.1   9   7     420.0   0.0   0.0     490.0   85.3   82.1     525.0   95.3   9   8   1   480.0   0.0   0.0     560.0   85.8   82.6     600.0   94.2   9   9     540.0   0.0   0.0     630.0   77.2   75.3     675.0   89.3   8   10     600.0   0.0   0.0     700.0   76.0   74.1     750.0   89.8   8   11     660.0   0.0   0.0     770.0   73.2   72.4     825.0   85.3   8   12     720.0   0.0   0.0     840.0   70.3   69.5     900.0   82.3   8   13     780.0   0.0   0.0     980.0   0.0   0.0     1050.0   75.4   7   15     900.0   0.0   0.0     1050.0   0.0   0.0     1120.0   0.0   0.0     1120.0   77.4   1   1200.0   77.4   7   1   1   1020.0   0.0   0.0     1120.0   0.0   0.0     1125.0   70.8   7   17     1020.0   0.0   0.0     1260.0   0.0   0.0     1350.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1250.0   0.0     1			•	: :	•	•	•	•	•	94.1
6     360.0   0.0   0.0     420.0   88.3   83.5     450.0   98.1   99   7     420.0   0.0   0.0     490.0   85.3   82.1     525.0   95.3   99   8   480.0   0.0   0.0     560.0   85.8   82.6     600.0   94.2   99     540.0   0.0   0.0     630.0   77.2   75.3     675.0   89.3   81   10     600.0   0.0   0.0     770.0   76.0   74.1     750.0   89.8   81   11     660.0   0.0   0.0     770.0   73.2   72.4     825.0   85.3   81   12     720.0   0.0   0.0     840.0   70.3   69.5     900.0   82.3   81   13     780.0   0.0   0.0     910.0   61.4   61.4     975.0   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3   75.3			· · · · · · · · · · · · · · · · · · ·		•	:				99.8
7     420.0   0.0   0.0     490.0   85.3   82.1     525.0   95.3   9   8     480.0   0.0   0.0     560.0   85.8   82.6     600.0   94.2   9   9     540.0   0.0   0.0     630.0   77.2   75.3     675.0   89.3   8   10     600.0   0.0   0.0     700.0   76.0   74.1     750.0   89.8   8   11     660.0   0.0   0.0     770.0   73.2   72.4     825.0   85.3   8   11     660.0   0.0   0.0     840.0   70.3   69.5   900.0   82.3   8   13   780.0   0.0   0.0     980.0   0.0     0.0     1125.0   75.3   8   14   840.0   0.0   0.0     980.0   0.0   0.0     1125.0   75.3   8   15   900.0   0.0   0.0     1120.0   0.0   0.0     1125.0   76.8   7   16   960.0   0.0   0.0     1120.0   0.0   0.0     1250.0   75.4   7   17   1020.0   0.0   0.0     1120.0   0.0   0.0     1250.0   0.0     18   1080.0   0.0   0.0     1260.0   0.0   0.0     1275.0   61.9   6   19   1140.0   0.0   0.0     1330.0   0.0   0.0     1500.0   0.0     20   11200.0   0.0   0.0     14400.0   0.0   0.0     1500.0   0.0     21   1   1260.0   0.0   0.0     1640.0   0.0   0.0     1755.0   0.0     22   1320.0   0.0   0.0     1640.0   0.0   0.0     1725.0   0.0     23   1380.0   0.0   0.0     1680.0   0.0   0.0     1875.0   0.0     24   1440.0   0.0   0.0     1880.0   0.0   0.0     1875.0   0.0     25   1500.0   0.0   0.0     1880.0   0.0   0.0     1875.0   0.0     26   1560.0   0.0   0.0     1880.0   0.0   0.0     1875.0   0.0     27   1620.0   0.0   0.0     1890.0   0.0   0.0     1225.0   0.0     30   1880.0   0.0   0.0     12400.0   0.0   0.0     1255.0   0.0     31   1860.0   0.0   0.0     12240.0   0.0   0.0     12255.0   0.0     32   1920.0   0.0   0.0     2240.0   0.0   0.0     2275.0   0.0     33   1980.0   0.0   0.0     2250.0   0.0   0.0     2275.0   0.0     34   1240.0   0.0   0.0     2250.0   0.0   0.0     2275.0   0.0     35   12100.0   0.0   0.0     2250.0   0.0   0.0     2255.0   0.0     36   12160.0   0.0   0.0     2250.0   0.0   0.0     2255.0   0.0     36   12240.0   0.0   0.0   0.0     2250.0   0.0   0.0     2255.0   0.0     39   12340.0   0.0   0.0	, ,		•	•		•	: :	•		98.9   94.9
8	_ 11			1 1	•	•		•	•	94.9
9     540.0   0.0   0.0     630.0   77.2   75.3     675.0   89.3   8   10     600.0   0.0   0.0     700.0   76.0   74.1     750.0   89.8   8   11     660.0   0.0   0.0     770.0   73.2   72.4     825.0   85.3   8   12     720.0   0.0   0.0     840.0   70.3   69.5   900.0   82.3   8   13     780.0   0.0   0.0     910.0   61.4   61.4     975.0   75.3   7   14     840.0   0.0   0.0     980.0   0.0   0.0     1050.0   75.4   7   15     900.0   0.0   0.0     1050.0   0.0   0.0     1125.0   70.8   7   16     960.0   0.0   0.0     1120.0   0.0   0.0     1275.0   61.9   6   18     1080.0   0.0   0.0     11260.0   0.0   0.0     1275.0   61.9   6   18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0   0.0     1200.0   0.0     1200.0   0.0     1200.0   0.0     1200.0   0.0     1225.0   0.0     22     1320.0   0.0   0.0     1470.0   0.0   0.0     1575.0   0.0     22     1320.0   0.0   0.0     1680.0   0.0   0.0     1755.0   0.0     24     11440.0   0.0   0.0     1680.0   0.0   0.0     1875.0   0.0     25     1500.0   0.0   0.0     1890.0   0.0   0.0     1875.0   0.0     27     1620.0   0.0   0.0     1890.0   0.0   0.0     1875.0   0.0     28     1680.0   0.0   0.0     1890.0   0.0   0.0     1275.0   0.0     27     1620.0   0.0   0.0     1270.0   0.0   0.0     1275.0   0.0     27     1620.0   0.0   0.0     1270.0   0.0   0.0     1275.0   0.0     27     1620.0   0.0   0.0     1270.0   0.0   0.0     1275.0   0.0     27     1620.0   0.0   0.0     1270.0   0.0   0.0     1275.0   0.0     28     1680.0   0.0   0.0     1275.0   0.0     27     1620.0   0.0   0.0     1270.0   0.0   0.0     1275.0   0.0     30     1880.0   0.0   0.0     1270.0   0.0   0.0     1275.0   0.0     31     1860.0   0.0   0.0     1270.0   0.0   0.0     1275.0   0.0     31     1860.0   0.0   0.0     1270.0   0.0   0.0     1275.0   0.0     31     1860.0   0.0   0.0     1270.0   0.0   0.0     1275.0   0.0     36     12100.0   0.0   0.0     12450.0   0.0   0.0     12475.0   0.0     36     12100.0   0.0   0.0     12450.0   0.0   0.0     12775.0   0.0			:	: :		-	,	•	•	92.1     92.3
10			•	: :	1				•	87.4
11			•	:		•		•	•	89.0
12			•	: :	-	•		•	:	84.5
13     780.0   0.0   0.0     910.0   61.4   61.4     975.0   75.3   7   14     840.0   0.0   0.0     980.0   0.0   0.0     1050.0   75.4   7   15     900.0   0.0   0.0     1050.0   0.0     1050.0   75.4   7   15     900.0   0.0   0.0     1120.0   0.0   0.0     1125.0   70.8   7   16     960.0   0.0   0.0     1120.0   0.0   0.0     11200.0   71.0   7   17     1020.0   0.0   0.0     1190.0   0.0   0.0     1275.0   61.9   6   18     1080.0   0.0   0.0     1260.0   0.0   0.0     1275.0   61.9   6   18     1080.0   0.0   0.0     1330.0   0.0   0.0     1350.0   0.0     19     1140.0   0.0   0.0     1330.0   0.0   0.0     1425.0   0.0     19     1140.0   0.0   0.0     1440.0   0.0   0.0     1500.0   0.0     20     1200.0   0.0   0.0     1470.0   0.0   0.0     1575.0   0.0     22     1320.0   0.0   0.0     1540.0   0.0   0.0     15575.0   0.0     22     1380.0   0.0   0.0     1610.0   0.0   0.0     1650.0   0.0     23     1380.0   0.0   0.0     1680.0   0.0   0.0     1825.0   0.0     25     1500.0   0.0   0.0     1750.0   0.0   0.0     1875.0   0.0     25     1560.0   0.0   0.0     1750.0   0.0   0.0     1875.0   0.0     26     1560.0   0.0   0.0     1890.0   0.0   0.0     1875.0   0.0     27     1620.0   0.0   0.0     1890.0   0.0   0.0     12100.0   0.0     27     1620.0   0.0   0.0     1890.0   0.0   0.0     12250.0   0.0     28     1680.0   0.0   0.0     2100.0   0.0     2240.0   0.0   0.0     22550.0   0.0     33     1800.0   0.0   0.0     2240.0   0.0   0.0     22550.0   0.0     34     2040.0   0.0   0.0     2240.0   0.0   0.0     22550.0   0.0     34     2040.0   0.0   0.0     2240.0   0.0   0.0     22550.0   0.0     36     2160.0   0.0   0.0     2250.0   0.0     23550.0   0.0     38     2220.0   0.0   0.0     2250.0   0.0   0.0     22550.0   0.0     38     2220.0   0.0   0.0     2250.0   0.0   0.0     22550.0   0.0     38     2220.0   0.0   0.0     2250.0   0.0   0.0     22550.0   0.0     39     2340.0   0.0   0.0     2250.0   0.0   0.0     22550.0   0.0     39     2340.0   0.0   0.0     22800.0   0.0   0.0			:	•					•	82.3
14			:	: :	1	•		•	:	75.3
15			•	• •	:			•	:	75.3     75.4
16			•					•	:	73.4     71.4
17     1020.0   0.0   0.0     1190.0   0.0   0.0     1275.0   61.9   6   18     1080.0   0.0   0.0     1260.0   0.0   0.0     1350.0   0.0   0.0   19     1140.0   0.0   0.0     1330.0   0.0   0.0     1350.0   0.0   0.0     1200.0   0.0   0.0     14400.0   0.0   0.0     1500.0   0.0   0.0     20     1260.0   0.0   0.0     14400.0   0.0   0.0     1575.0   0.0     22     1320.0   0.0   0.0     1540.0   0.0   0.0     1650.0   0.0     23     1380.0   0.0   0.0     1610.0   0.0   0.0     1725.0   0.0     24     1440.0   0.0   0.0     1680.0   0.0   0.0     1875.0   0.0     25     1500.0   0.0   0.0     1875.0   0.0       26     1560.0   0.0     0.0     1875.0   0.0					•			•	:	71.4
18	• •		•		•			•	1	62.5
19     1140.0   0.0   0.0     1330.0   0.0   0.0     1425.0   0.0     20     1200.0   0.0   0.0     1400.0   0.0   0.0     1500.0   0.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   0.0     22     1320.0   0.0   0.0     1540.0   0.0   0.0     1650.0   0.0       23     1380.0   0.0   0.0     1610.0   0.0   0.0     1725.0   0.0       24     1440.0   0.0   0.0     1680.0   0.0   0.0     1800.0   0.0	• •			•	•			•		0.0
20     1200.0   0.0   0.0     1400.0   0.0     1500.0   0.0     21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   0.0     22     1320.0   0.0   0.0     1470.0   0.0   0.0     1575.0   0.0     22     1320.0   0.0   0.0     1610.0   0.0   0.0     1650.0   0.0     23     1380.0   0.0   0.0     1610.0   0.0   0.0     1725.0   0.0     24     1440.0   0.0   0.0     1680.0   0.0   0.0     1800.0   0.0     25     1500.0   0.0   0.0     1750.0   0.0   0.0     1875.0   0.0     25     1560.0   0.0   0.0     1820.0   0.0   0.0     1875.0   0.0     27     1620.0   0.0   0.0     1890.0   0.0   0.0     1950.0   0.0     28     1680.0   0.0   0.0     1960.0   0.0   0.0     2025.0   0.0     28     1680.0   0.0   0.0     2030.0   0.0   0.0     2175.0   0.0     30     1800.0   0.0   0.0     2170.0   0.0   0.0     2250.0   0.0     31     1860.0   0.0   0.0     2240.0   0.0   0.0     2250.0   0.0     32     1920.0   0.0   0.0     2310.0   0.0   0.0     2450.0   0.0     35     2100.0   0.0   0.0     2380.0   0.0   0.0     2250.0   0.0     36     2160.0   0.0   0.0     2550.0   0.0     36     2160.0   0.0   0.0     2550.0   0.0     38     2280.0   0.0   0.0     2590.0   0.0   0.0     2255.0   0.0     38     2280.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0			•		•			•	•	0.0
21     1260.0   0.0   0.0     1470.0   0.0   0.0     1575.0   0.0     22     1320.0   0.0   0.0     1540.0   0.0   0.0     1650.0   0.0			•	. ,	•			:	-	0.0
22     1320.0   0.0   0.0     1540.0   0.0   0.0     1650.0   0.0     23     1380.0   0.0   0.0     1610.0   0.0   0.0     1725.0   0.0     24     1440.0   0.0   0.0     1680.0   0.0   0.0     1800.0   0.0     25     1500.0   0.0   0.0     1750.0   0.0   0.0     1875.0   0.0     26     1560.0   0.0   0.0     1820.0   0.0   0.0     1875.0   0.0     26     1560.0   0.0   0.0     1890.0   0.0   0.0     1950.0   0.0     27     1620.0   0.0   0.0     1890.0   0.0   0.0     2025.0   0.0     28     1680.0   0.0   0.0     1960.0   0.0   0.0     2100.0   0.0     29     1740.0   0.0   0.0     2030.0   0.0   0.0     2175.0   0.0     30     1800.0   0.0   0.0     21100.0   0.0   0.0     2250.0   0.0       31     1860.0   0.0   0.0     2170.0   0.0   0.0     2325.0   0.0     32     1920.0   0.0   0.0     2240.0   0.0   0.0     2450.0   0.0     33     1980.0   0.0   0.0     2310.0   0.0   0.0     2475.0   0.0     34     2040.0   0.0   0.0     2380.0   0.0   0.0     2550.0   0.0     36     2160.0   0.0   0.0     2520.0   0.0   0.0     2550.0   0.0     37     2220.0   0.0   0.0     2590.0   0.0   0.0     2775.0   0.0     38   2280.0   0.0   0.0   2590.0   0.0   0.0     2850.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40   2400.0   0.0   0.0     2800.0   0.0   0.0     2925.0   0.0	: :		:					1	:	0.0
23     1380.0   0.0   0.0     1610.0   0.0   0.0     1725.0   0.0     24     1440.0   0.0   0.0     1680.0   0.0   0.0     1800.0   0.0     25     1500.0   0.0   0.0     1750.0   0.0   0.0     1875.0   0.0     26     1560.0   0.0   0.0     1820.0   0.0   0.0     1950.0   0.0     26     1560.0   0.0   0.0     1820.0   0.0   0.0     1950.0   0.0     27     1620.0   0.0   0.0     1890.0   0.0   0.0     2025.0   0.0     28     1680.0   0.0   0.0     1960.0   0.0   0.0     2100.0   0.0     29     1740.0   0.0   0.0     2030.0   0.0   0.0     2175.0   0.0     30     1800.0   0.0   0.0     2100.0   0.0   0.0     2250.0   0.0     31     1860.0   0.0   0.0     2170.0   0.0   0.0     2325.0   0.0     32     1920.0   0.0   0.0     2240.0   0.0   0.0     2475.0   0.0     33     1980.0   0.0   0.0     2380.0   0.0   0.0     2475.0   0.0     34     2040.0   0.0   0.0     2380.0   0.0   0.0     2550.0   0.0     35     2100.0   0.0   0.0     2450.0   0.0   0.0     2450.0   0.0     36     2160.0   0.0   0.0     2550.0   0.0     2550.0   0.0     37     2220.0   0.0   0.0     2550.0   0.0   0.0     2550.0   0.0     38   2280.0   0.0   0.0     2660.0   0.0   0.0     2775.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40   2400.0   0.0   0.0     2800.0   0.0   0.0     2925.0   0.0			*					•		0.0
24     1440.0   0.0   0.0     1680.0   0.0   0.0     1800.0   0.0     25     1500.0   0.0   0.0     1750.0   0.0   0.0     1875.0   0.0     26     1560.0   0.0   0.0     1820.0   0.0   0.0     1950.0   0.0     27     1620.0   0.0   0.0     1890.0   0.0   0.0     2025.0   0.0     28     1680.0   0.0   0.0     1960.0   0.0   0.0     2100.0   0.0     29     1740.0   0.0   0.0     2030.0   0.0   0.0     2175.0   0.0     30     1800.0   0.0   0.0     21700.0   0.0     2175.0   0.0     31     1860.0   0.0   0.0     2170.0   0.0   0.0     2250.0   0.0     32     1920.0   0.0   0.0     2240.0   0.0   0.0     2475.0   0.0     33     1980.0   0.0   0.0     2310.0   0.0   0.0     2475.0   0.0     34     2040.0   0.0   0.0     2380.0   0.0   0.0     2550.0   0.0     35     2100.0   0.0   0.0     2550.0   0.0     2550.0   0.0     36     2160.0   0.0   0.0     2550.0   0.0     2550.0   0.0     37     2220.0   0.0   0.0     2590.0   0.0   0.0     2775.0   0.0     38   2280.0   0.0   0.0     2660.0   0.0   0.0     2925.0   0.0     39     2340.0   0.0   0.0     27730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     28800.0   0.0   0.0     3000.0   0.0   0.0     2000.0   0.0     2000.0   0.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0			:		•			- I	:	0.0
25     1500.0   0.0   0.0     1750.0   0.0   0.0     1875.0   0.0           26     1560.0   0.0   0.0   0.0     1820.0   0.0   0.0     1950.0   0.0           27     1620.0   0.0   0.0     1890.0   0.0   0.0     2025.0   0.0           28     1680.0   0.0   0.0     1960.0   0.0   0.0     2100.0   0.0           29     1740.0   0.0   0.0     2030.0   0.0   0.0     2175.0   0.0           30     1800.0   0.0   0.0     2100.0   0.0   0.0     2250.0   0.0           31     1860.0   0.0   0.0     2170.0   0.0   0.0       2325.0   0.0           32     1920.0   0.0   0.0     2240.0   0.0   0.0							•	•		0.0
26     1560.0   0.0   0.0     1820.0   0.0   0.0     1950.0   0.0     27     1620.0   0.0   0.0     1890.0   0.0   0.0     2025.0   0.0     28     1680.0   0.0   0.0     1960.0   0.0   0.0     2100.0   0.0     29     1740.0   0.0   0.0     2030.0   0.0   0.0     2175.0   0.0     30     1800.0   0.0   0.0     21700.0   0.0   0.0     2250.0   0.0     31     1860.0   0.0   0.0     2170.0   0.0   0.0     2325.0   0.0     32     1920.0   0.0   0.0     2240.0   0.0   0.0     2475.0   0.0     33     1980.0   0.0   0.0     2380.0   0.0   0.0     2550.0   0.0     35     2100.0   0.0   0.0     2450.0   0.0   0.0     2550.0   0.0     36     2160.0   0.0   0.0     2550.0   0.0     37     2220.0   0.0   0.0     2590.0   0.0   0.0     2775.0   0.0     38     2280.0   0.0   0.0     2660.0   0.0   0.0     2850.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     2880.0   0.0   0.0     3000.0   0.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0									:	0.0
27     1620.0   0.0   0.0     1890.0   0.0     2025.0   0.0     28     1680.0   0.0   0.0     1960.0   0.0   0.0     2100.0   0.0     29     1740.0   0.0   0.0     2030.0   0.0   0.0     2175.0   0.0     30     1800.0   0.0   0.0     2170.0   0.0   0.0     2250.0   0.0     31     1860.0   0.0   0.0     2170.0   0.0   0.0     2325.0   0.0     32     1920.0   0.0   0.0     2240.0   0.0   0.0     2400.0   0.0     33     1980.0   0.0   0.0     2310.0   0.0   0.0     2475.0   0.0     34     2040.0   0.0   0.0     2380.0   0.0   0.0     2550.0   0.0     35     2100.0   0.0   0.0     2450.0   0.0   0.0     2550.0   0.0     36     2160.0   0.0   0.0     2520.0   0.0   0.0     2775.0   0.0     37     2220.0   0.0   0.0     2590.0   0.0   0.0     2850.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     28800.0   0.0   0.0     3000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0   0.0     2000.0     2000.0   0.0     2000.0			•	1				1		0.0
28      1680.0	- :		:						:	0.0
29     1740.0   0.0   0.0     2030.0   0.0   0.0     2175.0   0.0     30     1800.0   0.0   0.0     2100.0   0.0   0.0     2250.0   0.0     31     1860.0   0.0   0.0     2170.0   0.0   0.0     2325.0   0.0     32     1920.0   0.0   0.0     2240.0   0.0   0.0     2400.0   0.0     33     1980.0   0.0   0.0     2310.0   0.0   0.0     2475.0   0.0     34     2040.0   0.0   0.0     2380.0   0.0   0.0     2550.0   0.0     35     2100.0   0.0   0.0     2450.0   0.0   0.0     2625.0   0.0     36     2160.0   0.0   0.0     2520.0   0.0   0.0     2770.0   0.0     37     2220.0   0.0   0.0     2590.0   0.0   0.0     2775.0   0.0     38     2280.0   0.0   0.0     2660.0   0.0   0.0     2850.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     2800.0   0.0   0.0     3000.0   0.0			,					•	:	0.0
30     1800.0   0.0   0.0     2100.0   0.0     0.0       2250.0   0.0       31     1860.0   0.0   0.0     2170.0   0.0   0.0       2325.0   0.0       32     1920.0   0.0   0.0     2240.0   0.0   0.0					•				0.0	0.0
31     1860.0   0.0   0.0     2170.0   0.0     0.0     2325.0   0.0     32     1920.0   0.0   0.0     2240.0   0.0   0.0     2400.0   0.0     33     1980.0   0.0   0.0     2310.0   0.0   0.0     2475.0   0.0     34     2040.0   0.0   0.0     2380.0   0.0   0.0     2550.0   0.0     35     2100.0   0.0   0.0     2450.0   0.0   0.0     2625.0   0.0     36     2160.0   0.0   0.0     2520.0   0.0   0.0     2700.0   0.0     37     2220.0   0.0   0.0     2590.0   0.0   0.0     2775.0   0.0     38     2280.0   0.0   0.0     2660.0   0.0   0.0     2850.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     2800.0   0.0   0.0     3000.0   0.0			•		•			•		0.0
32     1920.0   0.0   0.0     2240.0   0.0   0.0     2400.0   0.0     33     1980.0   0.0   0.0     2310.0   0.0   0.0     2475.0   0.0     34     2040.0   0.0   0.0     2380.0   0.0   0.0     2550.0   0.0     35     2100.0   0.0   0.0     2450.0   0.0   0.0     2625.0   0.0     36     2160.0   0.0   0.0     2520.0   0.0   0.0     2700.0   0.0     37     2220.0   0.0   0.0     2590.0   0.0   0.0     2775.0   0.0     38     2280.0   0.0   0.0     2660.0   0.0   0.0     2850.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     2800.0   0.0   0.0     3000.0   0.0			•		•			•	•	0.0
33    1980.0   0.0   0.0    2310.0   0.0    0.0    2475.0    0.0    34    2040.0    0.0    0.0    2380.0    0.0    0.0    2550.0    0.0    35    2100.0    0.0    0.0    2450.0    0.0    0.0    2625.0    0.0    36    2160.0    0.0    0.0    2520.0    0.0    0.0    27700.0    0.0    37    2220.0    0.0    0.0    2590.0    0.0    0.0    2775.0    0.0    38    2280.0    0.0    0.0    2660.0    0.0    0.0    2850.0    0.0    39    2340.0    0.0    0.0    2730.0    0.0    0.0    2925.0    0.0    40    2400.0    0.0    0.0    2800.0    0.0    0.0    3000.0    0.0			•	•	•			-	•	
34     2040.0   0.0   0.0     2380.0   0.0   0.0     2550.0   0.0     35     2100.0   0.0   0.0     2450.0   0.0   0.0     2625.0   0.0     36     2160.0   0.0   0.0     2520.0   0.0   0.0     27700.0   0.0     37     2220.0   0.0   0.0     2590.0   0.0   0.0     2775.0   0.0     38     2280.0   0.0   0.0     2660.0   0.0   0.0     2850.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     2800.0   0.0   0.0     3000.0   0.0										
35     2100.0   0.0   0.0     2450.0   0.0   0.0     2625.0   0.0     36     2160.0   0.0   0.0     2520.0   0.0   0.0     27700.0   0.0     37     2220.0   0.0   0.0     2590.0   0.0   0.0     2775.0   0.0     38     2280.0   0.0   0.0     2660.0   0.0   0.0     2850.0   0.0     39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0     40     2400.0   0.0   0.0     2800.0   0.0   0.0     3000.0   0.0								-	•	,
36   2160.0   0.0   0.0   2520.0   0.0   0.0   2700.0   0.0     37   2220.0   0.0   0.0   2590.0   0.0   0.0   2775.0   0.0     38   2280.0   0.0   0.0   2660.0   0.0   0.0   2850.0   0.0     39   2340.0   0.0   0.0   2730.0   0.0   0.0   2925.0   0.0     40   2400.0   0.0   0.0   2800.0   0.0   0.0   3000.0   0.0								1		
38     2280.0   0.0   0.0     2660.0   0.0   0.0     2850.0   0.0         39     2340.0   0.0   0.0     2730.0   0.0   0.0     2925.0   0.0         40     2400.0   0.0   0.0     2800.0   0.0   0.0     3000.0   0.0	36	2160.0	•			-	0.0	2700.0	0.0	0.0
39   2340.0   0.0   0.0   2730.0   0.0   0.0   2925.0   0.0     40   2400.0   0.0   0.0   2800.0   0.0   0.0   3000.0   0.0	37   :	2220.0	20.0   0.0	0.0	2590.0	0.0	0.0	2775.0	0.0	0.0
40     2400.0     0.0   0.0     2800.0   0.0   0.0     3000.0   0.0	38   :	2280.0	80.0   0.0	0.0	[2660.0]	0.0	0.0	2850.0	0.0	0.0
	39   :	2340.0	40.0   0.0	0.0	2730.0	0.0	0.0	2925.0	0.0	0.0
			•			•	•	•		0.0
<del>+++++++++</del>		,	•							
OASPL   106.7   86.5       111.7   97.2         115.9   10	OA	SPL	L   106.7	86.5	1	111.7]	97.2	1	115.9	105.2

F - FREQUENCY HZ
SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 21-5 PA

こうとの質がないのでは、質問なんなれるのない。

MICROPHONE: MP 1 ( PITCH ANGLE: 24.4 DEG )

		7	+ 			-	DATA-	POINT /	RUN	-			·
4.		1	 	-5 / +	123	1	[ cc	-6 / +	122	1	( +	+	
j	HN		F	SPL	SPLA	Ì	,   F	SPL	SPLA		F	SPL	SPLA
1	1		80.0	109.7	87.2		43.1	84.9	50.3		]	]	
1			•	•	•	1	•	:	51.0		1		ĺ
1		ļ '		103.9	:	Ì	•	:	0.0	1	!		ļ
1	_		:	•	•	ļ	•	:	0.0	ļ	ļ	!	
ļ			•	!	•	ļ	215.5	:	0.0	1	 	<u> </u>	
1		]   ] [		92.8		1	258.6		:	l	[ 1	<b>!</b>	İ
- (	_			87.3   87.9	-	1	301.7	:	0.0	1	 	i (	
1	_	] ]		84.5	83.7	l I	387.9		0.0	1	<del>!</del> 	! ! ! !	
1				76.8	76.0	i	431.0	0.0	0.0	ľ	! 	! !	( 
i	11	i	880.0	77.0	76.2	i	474.1		i	Ĺ	l 	i ;	ľ
i	12	i	960.0	74.8	74.8	ĺ	517.2	•	1	Ù	:	ÌÌ	ì
ì	13	İ	1040.0	73.6	73.6	Ì	560.3			i	į	i i	į
İ	14	П	1120.0	66.2	66.2	ĺ	603.4	0.0	0.0		ļ	İ	j
1	15	[]	1200.0	62.2	62.8		646.5	0.0	0.0	ļ	ļ	J j	}
Į			1280.0	0.0	0.0	l	1 689.6	0.0	0.0	H		1	
		: :	1360.0	0.0	:	ļ	732.7		:	H			}
!		: :	1440.0	:	•	ļ	775.8		:	Н			1
-		: :	1520.0	0.0	:	ļ	818.9					ĺ	1
{		: :	1600.0	0.0		1	862.0		:	Н			Ì
1		: :	1680.0	0.0	•	ì	905.1	0.0	0.0	]   	 	]	į
ì		: :	1760.0 1840.0	0.0		!	948.2     991.3	0.0	0.0	/     1		! !	!
			1920.0	0.0		!	1034.4	0.0	0.0	   1		! !	1
i		: :	2000.0	0.0	•		1077.5	0.0	0.0	 		 	1
i		•	2080.0	0.0		•	1120.6	0.0	0.0	\ 		i	i
i		: :	2160.0	0.0	•	•	1163.7	0.0		ij		i	i
i			2240.0	0.0	•	•	1206.8	0.0		ii		i	i
j		• :	2320.0	0.0		•	1249.9		0.0	ij		j	į
	30	П	2400.0	0.0	0.0	l	1293.0	0.0	0.0	H		1	i
		: :	2480.0	0.0		•	1336.1		•			l	1
İ		• :	2560.0	_		:	1379.2					l	ļ
		•	2640.0	0.0			1422.3		0.0	: :		!	ļ
			2720.0	0.0		:	1465.4		0.0	: :		1	!
•			2800.0			:	1508.5			: :			ţ
			2880.0 2960.0			:	1551.6    1594.7			: :		1	j I
			3040.0			:	1394.7     1637.8			: :			j L
•			3120.0				1680.9					1	1
			3200.0			•	1724.0	,		: :		í	i
												+	
+-						•	+				-		+
1				112.6				85.2				1	1
+-				·		Н	<del>-</del>			++		+	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 3 ( PITCH ANGLE: 24.4 DEG )

		DATA-POINT / RUN												
+	+	l cc	<b>-</b> 5 /	123	] ]	CC-	-6 / :	122			+	 		
I	HN [	F	SPL	SPLA	     -	F	SPL	SPLA	ļ	F	SPL	SPLA		
	1	•	111.8	:	ij	43.1	•	:	į	!				
!	2	•	1111.7	•	11		•	<u>.</u>	ļ	:	]	. !		
!	3	•	110.7	•	!!	129.3	0.0	•	ļ	!		!		
	4	320.0	1	100.9		172.4		0.0	ļ	ļ	!	ļ		
-	•	•	•	103.5	!!	215.5		0.0	ļ	!	!	 		
ļ		•	1105.8	•	!!	258.6		0.0	ļ	!				
1	7	•	102.1	•	11	301.7		0.0	]	]	]	 		
-	8   9	•	1101.9	•		344.8	0.0	0.0	ŀ	i	[			
1 1		•	100.7   97.3		11	387.9 431.0	0.0 0.0	0.0   0.0	:	•				
•		880.0	1	1				0.0	i L	! 	,   			
:		960.0	!		11	517.2		0.0	 	! 		<u> </u>		
•		11040.0	90.8	•	11	560.3		0.0		İ	, l	1		
٠.		1120.0	86.5	•	Ϊi	603.4	0.0	0.0		! 		i		
•	•	1200.0	85.6	•	ii	646.5	0.0	0.0	i	ì		· i		
j 1		1280.0	84.4	•	ii	689.6	0.0	0.0	Ì	j	i	j		
j 1		1360.0	80.9	•	ii	732.7		0.0	i	j	i i	i		
j :	18	1440.0	76.6	•	ÌΪ	775.8	0.0	0.0	i	Ì	i	i		
j 1		1520.0	74.2	•	Ħ	818.9		0.0	Ħ		i i	i		
1 2	20 j	1600.0	73.6	74.6	Н	862.0	0.0	0.0	H		j	j		
1 2	21	1680.0	69.2	70.2	П	905.1	0.0	0.0	Ħ			ĺ		
2	22	1760.0	60.7	61.7	П	948.2	0.0	0.0	П			1		
2	23	1840.0	0.0	0.0	11	991.3	0.0	0.0	П					
2	24	1920.0	0.0	0.0	11	1034.4	0.0	0.0	П			1		
,		2000.0	0.0	•		1077.5	0.0	0.0	H			1		
•		2080.0	0.0			1120.6	0.0	0.0			ļ	ļ		
•		2160.0	0.0		٠.	1163.7	0.0	0.0	! !			ļ		
•		2240.0	0.0	•		1206.8	0.0	0.0	֓֞֝֞֝֟֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֝֓֓֓֓֓֡֝		]	]		
•		2320.0	0.0			1249.9	0.0	0.0				ļ		
•	•	12400.0	0.0			1293.0	0.0		   !			ļ		
•	,	12480.0	0.0		: :	1336.1	0.0		 			ļ		
		2560.0  2640.0				1379.2   1422.3					1	į į		
		2720.0				1465.4					1	]		
1		2800.0				1508.5					! !	1		
1		2880.0	:		: :	1551.6			; (   1		I   I	}		
		2960.0	:			1594.7	,				;	ļ		
- 1		3040.0				1637.8	•		ij	i	i			
•	•	3120.0	•			1680.9			. <b>'</b>	ì	ì	l		
1 4	0	3200.0	0.0	0.0	H	1724.0	0.0	0.0	İ	i	i	i		
		+				-	•		}+ }-+		+	+		
i	O,	ASPL	118.0	110.7		į	86.4	57.3		' I	1	1		
+							·+		H					

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

______

MICROPHONE: MP 2 ♥ PITCH ANGLE: 24.4 DEG )

		+!			D	ATA-1	POINT /	RUN				+ !
+	+	CC	-5 /		 	CC	-6 /				+	   
I	HN	F	SPL	SPLA		F 	SPL	SPLA		F	SPL	SPLA
İ	1		110.0	:	: :		86.5	:	: :		į	
ļ	2		110.9	•		6.2	•	55.7	: :		[	
1	3		108.2	:	2 2	9.3	0.0	•	11		1	
l I	4   5	1	105.0 1104.0	:	: :	2.4 5.5	0.0	0.0   0.0	{		1	}
!	- :	:	:			8.6	•	0.0	)   		; ]	
	7	•	101.1	:		1.7	:	0.0	; ; } }		<u>'</u>	
i	8	640.0	97.8	•	: :	4.8	0.0	0.0			(	i i
i	- :	720.0	93.7	:	: :	7.9	•		ii		i	i
i		800.0	:	1	: :	1.0	•	•	: :		i	i
:	•	:	91.8	•	: :	4.1			ii		i i	i
1 :		960.0	:	:	51	7.2	0.0	0.0	İİ		i i	j
	13	1040.0	84.2	84.2	56	0.3	0.0	0.0			<b>!</b> !	-
1:	14	1120.0	83.2	83.2	60	3.4	0.0	0.0	11		1 1	I
1:	15	1200.0	81.2	81.8		6.5	0.0	0.0			! !	
1:	•	1280.0	75.4	:	: :	9.6	0.0	0.0			! !	ļ
		1360.0	75.6		: :	2.7	0.0	0.0	<u> </u>		]	1
1	•	1440.0	69.0	:	: :	5.8	•	0.0			!	
•	•	1520.0	69.3	•	81			0.0				!
	:	11600.0	1	<u> </u>	86:		0.0	:			)   	1
•	•	1680.0 1760.0	0.0   0.0	1	90.    94:		0.0	•	 			1
:		11840.0	:	-	99		0.0	:	 		( ! 	
	•	1920.0	•		103			:	: <b>.</b> 		, , 	ì
•		2000.0	0.0	:	1107		0.0		i		i	i
		2080.0	0.0	1	1112		0.0		i		i i	i
1 2		2160.0	0.0	:	116		0.0	0.0	i i		į į	į
1 2		2240.0	0.0		120	5.8	0.0	:	Ì			ĺ
1 2	29	2320.0	0.0	0.0	124	9.9	0.0	0.0	П			1
•		2400.0	0.0		129		0.0		1		] ]	1
•	•	2480.0	0.0	•	133		0.0	•				ļ
		2560.0										ļ
•		2640.0						•				į
•		2720.0	•	•	•			•				!
•	•	12800.0			: :		0.0					ł
		2880.0 2960.0					0.0	•			1 [	) 
		3040.0					0.0				, ' 	1
		3120.0							•		Ì	1
		3200.0								1	j	i
•	•	+	-	•				•				+
+											<i></i> -	+
1		ASPL										
+			<b>+</b> -	+ • • • • • • •	++				++		++	+

20022000人間でいている。 間になるからの間になららなられる。

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

------

WATER SECRES

MICROPHONE: MP 4 ( PITCH ANGLE: 24.4 DEG )

		ļ			-	DATA-1	POINT /	RUN	<b>-</b> .			+ !
+		   (	C-5 /	123	1	l cc	-6 / +	122		 	<b>+</b>	   
	HN	    F	SPL	SPLA	<u>.</u>	F	SPL	SPLA		F	SPL	SPLA
Ī	1	80.0	114.9	92.4		43.1	84.0	49.4			[	
-		• •	111.6	•	-	•		57.2	•	•		1
ļ		: :	111.9	•	ļ	!	1	50.9				ļ
-		: :	109.2	•	ļ	:		0.0			!	
ļ		: :	107.4	•	ļ	:	:	0.0	: :		!	ļ
ļ		: :	105.7	<u> </u>	ļ	258.6	:	0.0	!		!!!	ļ
ļ	7	560.0		· ·	ļ	301.7	:	0.0			!!!	. !
-	8	640.0		101.2	!	344.8	_	0.0				]
1	9	720.0		98.7	!	387.9   431.0	:	0.0			 	!
1	10 11	800.0    880.0		97.3	1	431.0	<u>:</u>	0.0   0.0	•		! !	;
ł		860.0    960.0	•		l	517.2	•	0.0			] 	l I
¦		11040.0	•	•		560.3	:	0.0		! !		!
i		11120.0		•	i	603.4	0.0	0.0			! !	i
i		1200.0	•		:	646.5	:	0.0				ľ
i		1280.0	•	83.2	i	689.6		0.0				i
i		1360.0	:	83.7	i	732.7		0.0			i i	i
i		1440.0	•	80.1	Ĺ	775.8		0.0	: :		i	i
į	19	1520.0	•	-	İ	818.9		0.0	İ		İ	j
ĺ		1600.0		72.2	Ĺ	862.0	0.0	0.0	İ		į	į
1	21	1680.0	69.5	70.5	Ĺ	905.1	0.0	0.0	Ì		İ	j
1	22	1760.0	68.8	69.8	П	948.2	0.0	0.0				1
	23	1840.0	0.0	0.0		991.3	0.0	0.0	1		1	1
		1920.0		•	: :	1034.4		0.0				1
1		2000.0				1077.5			1	ļ	]	j
ļ		2080.0				1120.6			١	ļ		ļ
ļ		2160.0		:	: :	1163.7			1	ļ	ļ	!
!		2240.0		•		1206.8			ļ		ļ .	ļ
!		2320.0				1249.9		_	!	!	[	
ł		2400.0   2480.0		0.0   0.0		1293.0    1336.1	0.0	0.0	1	l i	 	-
!		2460.0     2560.0				1379.2			1	I	!	
ŀ		2640.0	:	1		1422.3				l İ	¦	1
i		2040.0     2720.0	•	•		1465.4	•		- :		ł	-
ł		2800.0		1		1508.5			- :		; I	i
Ĺ		2880.0		•		1551.6	•		- :	ļ	i	i
ì		2960.0	•	•		1594.7			:		i	i
i		3040.0		•		1637.8				i	i	i
i		3120.0		•		1680.9			:	i	j	i
i		3200.0		•		1724.0	•		- :	j	i	i
+	+	+	-+	÷			<del>-</del>		+		· <del>i</del>	<del>-</del>
+			-+	•			·		+	+	+	+
	C		[119.3	•				58.7			Ī	1
+			-+	+	Н				+	+	+	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 5 ( PITCH ANGLE: 24.4 DEG )

3    4    5    4    5    6    6    6    6	F   80.0   1 160.0   1 320.0   1 400.0   1 560.0   1 640.0   1 720.0   800.0   880.0   960.0	117.5   112.7   110.3   113.4   108.0   102.5   103.9   102.6   98.2	SPLA   95.0   99.3  101.7  106.8  103.2   99.3  100.7	•	F 43.1 86.2 129.3 172.4 215.5 258.6	81.0 0.0 0.0	SPLA   46.4		F	SPL	+   SPLA +
1      2      3      4      5      6      7      8      9      10      11      12      13      14      15      15	80.0   1 160.0   1 240.0   1 320.0   1 400.0   1 560.0   1 640.0   1 720.0   800.0   880.0   960.0	117.5   112.7   110.3   113.4   108.0   102.5   103.9   102.6   98.2   96.0	SPLA   95.0   99.3  101.7  106.8  103.2   99.3  100.7  100.7	•	F 43.1 86.2 129.3 172.4 215.5 258.6	81.0   0.0   0.0   0.0	46.4   0.0   0.0	<del>   </del> 		SPL	SPLA
2     3     3     3     3     3     3     3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3	160.0   1 240.0   1 320.0   1 400.0   1 480.0   1 560.0   1 720.0   800.0   880.0   960.0	112.7   110.3   113.4   108.0   102.5   103.9   102.6   98.2   96.0	99.3  101.7  106.8  103.2   99.3  100.7  100.7		86.2   129.3   172.4   215.5   258.6	0.0	0.0				   
3    4    5    4    5    6    6    6    6	240.0   1 320.0   1 400.0   1 480.0   1 560.0   1 720.0   800.0   880.0   960.0	110.3 113.4 108.0 102.5 103.9 102.6 98.2 96.0	101.7   106.8   103.2   99.3   100.7   100.7   97.4		129.3 172.4 215.5 258.6	0.0	0.0			Į į	1
4     1   5     4   6     4   7     2   8     6   9     1   10     8   11     8   12     9   13     10   14     11   15     12	320.0   1 400.0   1 480.0   1 560.0   1 720.0   800.0   880.0   960.0	113.4   108.0   102.5   103.9   102.6   98.2   96.0	106.8  103.2   99.3  100.7  100.7		172.4 215.5 258.6	0.0	:	Н		•	<u> </u>
5    4   1   1   1   1   1   1   1   1	400.0   1 480.0   1 560.0   1 640.0   1 720.0   800.0   880.0   960.0	108.0   102.5   103.9   102.6   98.2   96.0	103.2   99.3   100.7   100.7   97.4		215.5 258.6	:	1 0.0				!
6     4   1   1   1   1   1   1   1   1	480.0   1 560.0   1 640.0   1 720.0   800.0   880.0   960.0	102.5   103.9   102.6   98.2   96.0	99.3 100.7 100.7 97.4		258.6		:	!!			į
7     1   8     6   9     5   10     8   11     8   12     9   13     10   14     15	560.0   1 640.0   1 720.0   800.0   880.0   960.0	103.9 102.6   98.2   96.0	100.7 100.7 97.4		:	•	0.0				j •
8     9     10     8     11     12     13     10     14     11   15     12     13     10     14     15     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     12     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15     15	640.0   1 720.0   800.0   880.0   960.0	102.6   98.2   96.0	100.7 97.4	 		:	:	 			<u> </u> ■
9     8   10     8   11     12     13     10   14   11   15     12   13   10   14   11   15     12   13   10   10   10   10   10   10   10	720.0   800.0   880.0   960.0	98.2   96.0	97.4	1 ( 1 (	301.7	:	1	!!			j 1
10    8   11    8   12    9   13    10   14    11   15    12	800.0   880.0   960.0	96.0			344.8	0.0	:	  -			] <b>i</b>
11    8   12    9   13    10   14    11   15    12	880.0   960.0				387.9 431.0			H			 
12    9   13    10   14    11   15    12	960.0	72.4			474.1	0.0   0.0				 	! <b>!</b>
13    10   14    11   15    12		92.9	•		517.2			 		) 	! }
14   11   15   12		90.5		11	560.3	0.0		, ; 		, <u>, , , , , , , , , , , , , , , , , , </u>	Į.
15    12	120.0	86.2	86.2	H	603.4	0.0	0.0	!!	i		
		•	85.1	ii	646.5	0.0	0.0	1 1	j	1	ł
16   13	•	•	84.8	ii	689.6	0.0	:		i		
	•	78.5	79.1	H	732.7	0.0	:			i	
		75.0		ii	775.8	0.0	:	ii	ļ	i	i I
	•	74.5		H	818.9		:	ίí	Ì	i	
		70.2		•	862.0	0.0		ij	j	į	
21   16		62.7 j		H	905.1			i	i	i	
22   17	760.0	0.0		ij	948.2			i	i	i	
23    18	840.0	0.0	0.0	Ħ	991.3	0.0	0.0	İ	i	i	
24   19	920.0	0.0	0.0	۱۱	1034.4	0.0	0.0	ĺ	į	į	
25   20	0.000	0.0	0.0	11	1077.5	0.0	0.0		ĺ	ĺ	
26   20	0.080	0.0	0.0	11	1120.6	0.0	0.0		1	1	
, , ,	160.0	0.0			1163.7	0.0	0.0		ļ	ļ	
	240.0	0.0			1206.8	0.0	0.0	1	1	1	
	320.0	0.0			1249.9	0.0	0.0	1	1	1	
	400.0	0.0			1293.0	0.0	0.0		1	- 1	
	480.0	0.0			1336.1		_	1	1	1	
32   25	•	0.0			1379.2				!	ļ	
33     26		0.0			1422.3			1	ļ	ļ	
34   27		0.0		: :	1465.4				ļ	ļ	١
35   28	•	0.0		• •	1508.5			1	!	!	١
	880.0	0.0			1551.6		:	ļ	ļ	!	
: :	960.0	0.0			1594.7			ļ		!	ļ
	040.0   120.0	0.0			1637.8   1680.9			1	j 1	}	
• • •	200.0	0.0			1724.0			1	<b>!</b>	 	
	+-							+	+	! +	. <b></b>
	+-	+		++						-	
OASP	PT. 11	20.8	111.5		•		•	т.	+	+	

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

( PITCH ANGLE: 24.4 DEG ) MICROPHONE: MP 6

	-	+ 			DATA-	POINT /	RUN			+ 
		l cc	-5 /	123	II cc	-6 /	122		<b>1</b>	 
H	IN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
	1	80.0	118.9	96.4	43.1	73.8	39.2	1		
ļ	2		•	97.8		:	0.0		!	!!
!	3	•		101.1		•	0.0	!	!	
ļ	4		110.2	<u>:</u>	172.4	:	0.0	ļ		
1	5	•	103.3	•	215.5	:	0.0	1	] 	1
-	6   7	·	99.8  101.4	96.6   98.2	258.6    301.7	:	0.0     0.0		! !	
ł	8	•	94.8	92.9	344.8		0.0	1	! 	
i	9	•	80.4		387.9		0.0	1	]	1
i 1	ó i	800.0	91.3	•	431.0	•	0.0	i	i	j
	1	•	87.3	•	474.1	•	0.0	i .	į į	i
•	_ :	•	80.3	•	517.2		i 0.0 i	į į	ĺ	į
j 1	3	1040.0	80.9	80.9	560.3	0.0	0.0	İ .	j i	İ
1	4	1120.0	77.4	77.4	603.4	0.0	0.0	1		
1		1200.0	65.6	66.2	646.5	0.0	0.0	1		
1	•	1280.0	•		689.6		0.0	•		
•		1360.0	0.0	0.0	732.7		0.0	!		ļ
		1440.0	0.0	0.0	775.8	0.0	0.0	!		
•	:	1520.0	0.0	0.0	818.9		0.0	1		
•		1600.0	0.0		862.0		0.0	1		!
•	•	1680.0  1760.0	0.0		905.1   948.2	0.0	0.0     0.0			1
•		1840.0	0.0		991.3		: :			1
•	•	1920.0	0.0		1034.4		0.0			i
•	•	2000.0			1077.5		: :	i i		i
		2080.0		: :	1120.6		0.0	i i	j	i
j 2	7	2160.0	0.0	0.0	11163.7	0.0	0.0	1	ĺ	į
2	8	2240.0	0.0	0.0	1206.8	0.0	0.0	1		1
2		2320.0	0.0	•	1249.9	0.0	0.0	1 1		İ
•	•	2400.0	0.0		1293.0	0.0	0.0			
•		2480.0	0.0	•	1336.1	0.0		!!!		!
		2560.0		•	1379.2					!
-		2640.0			1422.3					į
•		2720.0	•	•	11465.4			•		į
•		2800.0     2880.0			1508.5  1551.6		0.0			1 1
					1594.7		•	•		i
					1637.8				, , ,   ,	
•		•	•	, ,	1680.9					i
•		3200.0			1724.0				j	i
					+		<del></del> +	+	<del>-</del>	+
+					+				<del></del>	+
!									 	
+				+	+			~ <b>-</b>		+

F - FREQUENCY HZ SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

-----------------------

MICROPHONE: MP 7 ( PITCH ANGLE: 24.4 DEG )

						-	DATA-	POINT /	RUN	-	<del>-</del>		 !
+		+-	CC	-5 / +	123		l cc	-6 /		  -		+	 
1	HN	1	F	SPL	SPLA	į	F	SPL	SPLA			SPL	SPLA
į	1	İ		•	93.0	:	•	•	•	:	:		
!	_	ļ		106.2	:	ļ	:	:		ł	ļ		
- 1	_	1	•	103.6	:	ļ		•	0.0	ļ	1	!	
}		}		95.1	•	ļ	-	-	0.0	!	)	)	
1	_	ļ		85.8   78.9	•	-	:	:	:	!	<u>}</u>	1	) 
¦	6 7	:		73.0	:		258.6   301.7	:	:	•	ļ 1	} 	
-	_	ŀ		0.0	•	:	344.8		1	:	:	! ! ! !	
i		:	720.0	:	•	i				•	•	i	
i		i		2		i			0.0		:	i	1
i		: :	880.0			İ			0.0	ĺ	İ	; ;	i
i		:	960.0	•	i	į			0.0	i	İ		į
-	13	İ	1040.0	0.0	0.0	İ	560.3		0.0	į	İ	į į	i
-	14	Ħ	1120.0	0.0	0.0	ĺ	603.4	0.0	0.0	ĺ	İ	i i	į
1	15	П	1200.0	0.0	0.0		646.5	0.0	0.0	l	1	1	1
1	16	11	1280.0	0.0	0.0		689.6		0.0	l		i 1	
1		: :	1360.0	:	:	1			0.0	1	1		
1		: :	1440.0	:	:				0.0	•	•		!
ļ		: :	1520.0	:	:	:	818.9		0.0	:	:	!	1
1		: :	1600.0	•	•	•	862.0			:	:	}	ļ
-		: :	1680.0		:	: :	905.1		0.0		[ 		!
- {			1760.0 1840.0				948.2		0.0	!	[ 		ļ
1		: :	1920.0	0.0		1	1034.4	0.0	0.0   0.0	 	! }	i   i	
i		: :	2000.0	:	:		1077.5		0.0	1	 	! ! !	ł
i		: :	2080.0	0.0	•	•	1120.6	0.0	0.0		<u>'</u>	! 	i
i			2160.0				1163.7	0.0	0.0			i	i
i		. :	2240.0				1206.8	0.0				i	i
İ		: :	2320.0				1249.9	0.0		i		i	j
1	30	1	2400.0	0.0	0.0	Ì	1293.0	0.0	0.0			j	İ
1	31		2480.0	0.0	0.0	1	1336.1	0.0	0.0	l	}	1	İ
١			2560.0	0.0			1379.2	0.0	0.0		1	1	1
!			2640.0	0.0		: :	1422.3	0.0					1
!		: :	2720.0	0.0			1465.4	0.0	0.0	l			1
ļ			2800.0	0.0			1508.5	0.0	0.0			ļ	!
!			2880.0	0.0			1551.6	0.0				ļ	!
1			2960.0   3040.0				1594.7   1637.8		0.0		 		1
1	-		3120.0				1680.9	0.0			 		1
1			3200.0				1724.0					1	 
+.	· +	, 1 H								: 1 H		 	 ++
+-	- <b></b> -					++	+			-4		+	+
ı					99.0				33.2				1
+.										H			+

の関係が必然の関係などのなどの関係などのから関係できる。

F - FREQUENCY HZ

SACONO SOS DOS DESCRISOS SEGUESTAS ASSOCIADAS ASSOCIADAS ASSOCIADAS ASSOCIADAS ASSOCIADAS ASSOCIADAS ASSOCIADAS

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

.------

MICROPHONE: MP 9 ( PITCH ANGLE: 24.4 DEG )

		-	+ 				DATA-1	POINT /	RUN	-			
+		+	l cc	-5 / +	123	  -	CC-	-6 /	122		 <del> </del>	+	 
	HN		F	SPL	SPLA		F	SPL	SPLA		F	SPL	SPLA
į	1	I	•	113.5		i Li	•		:	į			
!	_	l.		109.4	!	ļ	•		0.0	•	•	<u> </u>	
ļ	3	H	•	108.5	99.9	П	129.3		0.0	ļ	Į	į	
-	4		•	•	1103.2	j. Mil	172.4		0.0		!		
1	5 6	H			100.2	l I L :	215.5 258.6	•	0.0 0.0	l I	i I		! !
ŀ	7	1	•	:	100.2	f ! L I	301.7	0.0	0.0	! !	! !		! !
i	8	H	•	99.0	97.1	! ! 	344.8	0.0	0.0	1	t L		! !
i	9	i	•	97.1	96.3		387.9	0.0	0.0	! 			
i		i		97.5	•	ì	431.0	0.0	0.0	İ	ì	,	·
i		H		93.5	:	i	474.1	0.0	0.0	İ	į i		i
i	12	H	960.0	90.7	1	İ	517.2	0.0	0.0	İ	<b>j</b>	İ	į
į	13	H	1040.0	91.4	91.4	I	560.3	0.0	0.0	ĺ			1
-	14		1120.0	87.6	87.6		603.4	0.0	0.0		1		1
- 1			1200.0	85.6	86.2		646.5	0.0	0.0	1			1
-			1280.0	80.6	81.2		689.6		0.0				ļ
ļ		: :	1360.0	81.2	81.8		732.7	0.0	0.0	ļ	!		ļ
!			1440.0	79.3	:			0.0	0.0		[		ļ
- [		: :	1520.0	74.0	:			0.0	0.0	}	}		ļ
Ţ			1600.0  1680.0	73.4			862.0	0.0	0.0				ļ
1		: :	1760.0	70.7 68.5	•		905.1   948.2	0.0	0.0	)	) (		) 1
ł		: :	1840.0	63.8		: :	991.3	0.0	0.0	l	( ) ( )		1
ì		: :	1920.0	0.0	:		1034.4	0.0	0.0	) 	! [		1 1
i		•	2000.0			: :	1077.5		0.0				ļ
i		: :	2080.0	0.0	1	: :	1120.6	0.0	0.0	i	j		j
i		: :	2160.0	0.0			1163.7	0.0	0.0	İ	j i	i	i
İ	28	Ì	2240.0	0.0	0.0		1206.8	0.0	0.0	İ	j i	j	į
1	29	1	2320.0	0.0	•	1	1249.9	0.0	0.0		۱ ۱	İ	1
	•		2400.0	0.0	•		1293.0	0.0	0.0	İ		1	1
- }			2480.0	0.0			1336.1	0.0	0.0			}	ļ
!			2560.0				1379.2					ļ	ļ
ļ		: :					1422.3				:	]	
1		: :	2720.0				1465.4						ļ
1			2800.0				1508.5				:	]	ļ
- [		: :	2880.0   2960.0				1551.6   1594.7		0.0		:	! !	! 1
1		• •	3040.0			•	1637.8	•	0.0		:		 
1			3120.0				1680.9					 	1
j							1724.0					i	i
+							+	•					·+
+			+		++	-+	+	+			++	+	+
1							1					1	1
+					++	-+	·+	+		- +	++	+	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 1 ( PITCH ANGLE: 29.5 DEG )

		-	+			-	DATA-	POINT /	RUN	-			<del> </del>   
+		.+.	DC	-1 / :	115	1	DC	-3 /	114	  -	 +	+	   <del> </del>
	HN		F	SPL	SPLA	<u> </u>	F	SPL	SPLA	<u> </u>	F	SPL	SPLA
į	1	İ	-	103.5		:	I	105.6	_	ļ	!		
-	2	1		•	•	!	•	98.3	82.2	ļ	l	 	] 
1	3 4		•	86.2   82.4	75.3   73.8		210.0 280.0	97.3 91.2	86.4 82.6	!	 	1 1	! ! ! !
1	5	1	:	68.6	-	i		:	80.2	1	} 	) i	) !
l	6				•	i		:	68.2	i		1 !	i I
i	7	i	•	64.6	•	i	:	81.5	:	i	i		
ί	8	í	•	66.4	•	İ	•			i	Ï	i	i
i	9	i	:	-		i				i	i		i
ij	10	İ	600.0	0.0		İ				İ	İ	<b>i</b> i	İ
ĺ	11	ĺ	660.0	0.0	0.0	Ĺ	770.0	0.0	0.0	ĺ	Ì	<b>(</b>	İ
	12	ļ	720.0	0.0	0.0	l	840.0	0.0	0.0	1	1		
1	13	1	780.0	0.0	0.0	1	910.0	0.0	0.0	İ		[	
- [	14	ļ		0.0	•			0.0	0.0	l	ļ		1
1	15	!	•	0.0	•	•	1050.0	0.0		ļ		! !	•
- [	16	- :	960.0	0.0	Ī	:	1120.0	0.0	0.0	ļ		<u> </u>	
-	17		1020.0	0.0			1190.0	0.0	0.0	ļ	1	1	1
1	18		1080.0	0.0	:	•	1260.0	0.0	0.0	ł	ļ	 	
-	19 20	- :	1140.0 1200.0	0.0   0.0		:	1330.0  1400.0	0.0   0.0	:		1	 	 
i	21	- :	1260.0		:	-	1470.0	:		ľ	1	¦	! 
i	22	- :	1320.0	0.0		:	1540.0	0.0	0.0	ľ		! }	
i	23		1380.0	0.0	•	:	1610.0	0.0	0.0	ï	İ		i
i	24	- 3	1440.0	0.0	Ĭ		1680.0	0.0	0.0	i	i	i i	i
i	25	- : '	1500.0	0.0	•	•	1750.0	0.0	0.0	İ	į	j i	į
İ	26	İ	1560.0	0.0	1	:	1820.0	0.0	0.0	İ	İ	j i	į
1	27	1	1620.0	0.0	0.0		1890.0	0.0	0.0	l	1	1 1	1
1	28	- 7	1680.0	0.0	•	•	1960.0	0.0	0.0	1	1		1
-	29	- 1	1740.0	0.0			2030.0	0.0	:	l			
-!		- : :	1800.0	:	:	1	2100.0			ļ	!	!	. !
ļ			1860.0	•	•	•	2170.0	0.0	•	ļ	ļ		
-		-	1920.0				2240.0	0.0	•				ļ
-		•	1980.0  2040.0	•	-	•	2310.0 2380.0	0.0	0.0		i	1 I	
l		- '	2100.0				2450.0	0.0		 	:	 	} 1
1			2160.0		•		2520.0	0.0		i	:	 	i
i			2220.0		•		2590.0		•	i	•		·
i			2280.0		•		2660.0	•		i	•		i
Ì			2340.0	•	•	•			•	:	:	j	i
İ			2400.0							Ĺ	İ	İ	' į
+												+	+
+			ASPL		•				,	•	•	+ 	+ 
+						+-		h		+	<del></del>	+	

F - FREQUENCY HZ SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

Conservation of the property of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o

MICROPHONE: MP 2 ( PITCH ANGLE: 29.5 DEG )

		+ !			-	DATA-	POINT /	RUN	• •			+ !
+-	+	DC	-1 /			) DC	-3 / :	114	  -	•	+	i   
	HN	F	SPL	SPLA	•	•	SPL		-	•	SPL	SPLA
1	1		106.4		•	•	110.5	•				l
1	2	•	102.2	-	:		106.9	Ĭ				
!		•	96.7	•	ļ	•		92.8			!	
!	4	•	89.4	•	ļ	,	•	90.8			!	
-	5	•	82.6	•	•	350.0 420.0	•	87.8			 	
1	6   7	•	72.7   75.6	•	•	420.0	•	88.4   86.6			! i	<b> </b> 
1		480.0	•	•	•	560.0	•	•			} 1	! ! ;
-	9	:	1	•	•	630.0	•	•				! !
i		600.0	•	•	i	•	•	•				i
	:	660.0		•	i	•	•	66.7				i
i		720.0	•	•	•	840.0	•					İ
1	13	780.0	0.0	0.0	İ	910.0	0.0	0.0	Ì		İ	j
	14	840.0	0.0	0.0		980.0	0.0	0.0				
1	15	900.0	0.0	•	•	1050.0	0.0	0.0				
•	:	960.0	1	•	•	1120.0	0.0	0.0	١		ļ	ļ
•		1020.0	•	•	•	1190.0	0.0	!				ļ
•	•	1080.0	•		•	1260.0	0.0	•				
•	•	1140.0	•		•	1330.0	0.0		:			1
•		1200.0   1260.0	•	•	•	1400.0  1470.0			•			 
		1320.0	•			1540.0			:		i i	 
		1380.0			:	1610.0			:		! !	
- 7		1440.0			•	1680.0			•		i	i
•	•	1500.0	0.0		:	1750.0			i		i	i
•		1560.0	0.0		:	1820.0	0.0		i		i	i
1 2	27 j	1620.0	0.0	0.0	İΙ	1890.0	0.0	0.0	Ì	į	İ	İ
1 2	28	1680.0	0.0	0.0	H	1960.0	0.0	0.0	ŀ			- 1
•		1740.0	0.0	•	•	2030.0	0.0		1	ļ	ı	- 1
•		11800.0	!			2100.0	0.0	:	!			ļ
•	•	1860.0			•	2170.0	0.0					!
		1920.0			:			0.0	-		 	!
		1980.0				2310.0					!	i
		2040.0				2450.0			:	l I	1	1
•	•	2160.0	•			2520.0		:	•	! !		1
		2220.0	•		•	•				ļ	 	1
	-	2280.0			-				•	i	į	į
		2340.0							•	i	į	i
•		2400.0			•				- :	į	į	i
+	+	<del>-</del>	+		Н	<b></b>						+
+											+	+
		ASPL									]	
+			+		+-	h	+	· <del>-</del>	+		+	+

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

_____

MICROPHONE: MP 3 ( PITCH ANGLE: 29.5 DEG )

					_	DATA-1	POINT /	RUN			+ 
+		DC	-1 /	115 +		DC -	-3 /	114		+	   ++
	HN	F	SPL	SPLA		F	SPL	SPLA	F	SPL	SPLA
ļ	1	•	108.4	-	ļ	•	113.8	•		!	
ļ	2	120.0	•	87.9	Ì	•	109.4	93.3		[ [	!!!
ļ	3	180.0	97.4	86.5	ļ	•	105.2	94.3		1	
ł	4	240.0	90.4   84.7	81.8	ļ	•	100.9	92.3		1	! !
-	5   6	300.0    360.0		78.1	1	350.0 420.0	97.3 94.9	90.7     90.1	   1	 	
ď		420.0	•	68.7	ļ	490.0		85.1		1 1	
- 1	_ :	480.0	:	:		560.0	84.2	81.0		! 	
i		540.0	64.2	61.0	i	630.0	84.0	82.1	<b>!</b>	<u> </u>	i i
i		600.0	67.8	65.9	i	700.0	79.0	77.1	i	i	i
i		660.0	61.1	59.2	i	770.0	76.1	75.3	i	i	i i
i	12	720.0	55.1	54.3	İ	840.0	65.7	64.9	i	<b>j</b>	į
Ì	13	780.0	0.0	0.0	1	910.0	0.0	0.0	İ		
-1	14	840.0	0.0	0.0	-	980.0	0.0	0.0		[	
-1	15	900.0	0.0	0.0		1050.0	0.0	0.0	1	<b>j</b>	İ
- 1	16	960.0	0.0	•	•	1120.0	0.0	0.0		[	
1		1020.0	0.0	!	- 1	1190.0	0.0	0.0	1	]	]
ļ		1080.0	0.0	•		1260.0	0.0	0.0	<b> </b>	<u> </u>	
į		11140.0	0.0	:	- 1	1330.0	0.0	0.0		<u> </u>	
1		1200.0	0.0	:		1400.0	0.0		<b>\</b>	j !	} 
		1260.0  1320.0	0.0	0.0	- 1	1470.0  1540.0	0.0 0.0	0.0     0.0	1	] i	
÷	23	1380.0	0.0	0.0	•	1610.0	0.0	0.0     0.0	}	 	 
1		1440.0	0.0	0.0	- 1	1680.0	0.0	0.0     0.0	ł	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	
i	:	1500.0	0.0	0.0	•	1750.0	0.0	0.0	i	i i	
i	,	1560.0	0.0	0.0	- :	1820.0	0.0	0.0	i	i i	i
i	•	1620.0	0.0			1890.0	0.0	0.0	i	i i	i
Ì	28	1680.0	0.0	0.0	İ	1960.0	0.0	0.0	j	į į	į
Ì	29	1740.0	0.0	0.0		2030.0	0.0	0.0	İ	l i	
1	30	1800.0	0.0	0.0	-	2100.0	0.0	0.0	1	<b> </b>	1
- [	•	1860.0	0.0	0.0	- 1	2170.0	0.0	0.0	1		
İ		1920.0	0.0	0.0	•	2240.0	0.0	0.0	!		1
ļ		1980.0	0.0	0.0	- 1	2310.0	0.0	0.0	ļ.		ļ
!		2040.0	0.0	0.0		2380.0	0.0	0.0			
		2100.0	0.0		- 1	2450.0	0.0	0.0	1	i   !	
1		2160.0 2220.0	0.0	0.0	- 1	2520.0    2590.0	0.0	0.0     0.0	1	!	
I	•	2220.0	0.0	0.0		2390.0     2660.0		1 0.0 I	1	! ] !	
ľ		2340.0		•		2730.0		' '	1	, l	
1	•	2400.0			-	2800.0		:			1
+	+	+	, 	•		h		,	· +	+	
+			+ <del>-</del>	+ <del>-</del>	+-	+ <del>-</del>	+ <b>-</b>	+	+	++	+
l			110.1			•		100.0	•	! !	
+			<b>+</b>	<b></b>	+-	+		++	+	+	+

F - FREQUENCY HZ

poppy second respect (poppets) by

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

______

MICROPHONE: MP 4 ( PITCH ANGLE: 29.5 DEG )

		+ 			DATA-	POINT /	RUN			+ 
٠.		DC	-1 /		DC	-3 /	114		<b>.</b>	 
į	HN	F	SPL	SPLA		SPL	SPLA	F	SPL	SPLA
	1	•	110.4	84.2	70.0	:	89.1	:		
Ì	2	:	105.0		: :	1111.1	95.0	:	1	
1			98.5	!		105.5	: :	•	] 	) 
ŀ	4   5	240.0   300.0	91.6   86.1	83.0   79.5	280.0    350.0	104.1	95.5		l	
1	6	360.0	85.2		1 420.0	98.9   95.7	92.3     90.9	1	1 1	
i	7	420.0	74.5	69.7	420.0	91.4	88.2	i		i
ì	8	1 480.0	68.3	65.1	560.0	88.7	85.5	i i	! 	
i	9	540.0	:	69.1	630.0	84.4	82.5		i	į
i	10	600.0	63.7	•	700.0	80.9	79.0	i	i i	i
į	11 j	660.0	53.3	51.4	770.0	70.9	70.1	į	į į	į
Ĺ	12	720.0	0.0	0.0	840.0	68.4	67.6	İ	j i	j
Į	13	780.0	0.0	0.0	910.0	0.0	0.0	1	1 1	
1	14	840.0	0.0	0.0	980.0	0.0	0.0	1		1
l	15 [	900.0	0.0	•	1050.0	0.0	0.0	1	!!	.
!	16	960.0	0.0	•	1120.0	0.0	0.0	į	! !	!
ļ	•	1020.0	0.0	:	11190.0	0.0	0.0		ן [	ł
1		1080.0	0.0	•	1260.0	0.0	0.0	]	[ [	!
[	:	11140.0	0.0	:	11/00.0	0.0	0.0	ļ	! ! ! !	ļ
-		1200.0  1260.0	0.0   0.0		1400.0	0.0 0.0	0.0	1	1 ! 1	
1		1320.0	0.0   0.0		1470.0   1540.0	0.0	[ 0.0     0.0	i	l { 1	t 1
i	:	1380.0	0.0		1610.0	0.0	: :	ŀ	! ! 	ŀ
i		1440.0			1680.0	0.0	: :	:	, , 	i
i		1500.0			1750.0	0.0	: :	:	į į	i
i		1560.0			1820.0	0.0	: :	1	i i	Ì
Ĺ		1620.0	0.0	0.0	1890.0	0.0	j 0.0 j	Í	į	j
1	28	1680.0	0.0	0.0	1960.0	0.0	0.0	Ì		1
1	29	1740.0	0.0	0.0	2030.0	0.0	0.0	1		1
1		1800.0	0.0		2100.0	0.0	0.0	1		ļ
ļ		1860.0	0.0		2170.0	0.0	0.0			ļ
		1920.0			2240.0		: :			ļ
-		11980.0			2310.0	0.0		:		- 1
•		2040.0	•				: :	:	] }	
-		2100.0  2160.0			2450.0   2520.0		: :		 	!
•	•	2220.0			2520.0			:	i   	 
		2280.0			2660.0	•	:	:	, , ] ,	1
•		2340.0	•		2730.0			:		
•		2400.0			2800.0			: :	i i	ì
		•			++			+		+
+-			<b></b>		++			-	++	+
1	0								1	1
+-			<b></b>	<b></b>	+	<b></b>	++	+	<b></b>	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 5 ( PITCH ANGLE: 29.5 DEG )

	-	DATA-POINT / RUN												
4	+	DC -	-1 / 1			l DC			  -		<b>+</b>	   		
H	{N ↓	F	SPL	SPLA	1	F +	SPL	SPLA		F	SPL	SPLA		
	1			85.3	1	70.0	116.4							
ļ	2	•	105.6			140.0	•	-	!!					
ļ	3	•	97.6	•	ļ	•	•	92.3	!!			!!!		
ļ	4		89.3	80.7	!	•	:	94.6	! !					
!	5	:	87.9	81.3		•		95.4						
1	6	:	78.6	•	-	:	95.0	90.2	11			) j		
1	7		79.9		:	490.0	90.7	:	 					
]	8	:	67.0		1	!	87.0		11					
 	9	•	63.9		:	630.0	81.5   74.7	79.6   72.8	 		] 			
	10		60.5     55.8	58.6	-		69.1	72.8   68.3	 		! !	;   		
	12	`		53.9	1		:	0.0	(			!		
	13 [	:	0.0	0.0	1	910.0	0.0	0.0	[   [			! ! 		
	14		0.0	0.0	1	980.0	0.0	0.0						
	5	900.0	0.0	0.0	1	1050.0	0.0	0.0	1			,		
1	6	960.0	0.0	0.0		1120.0	0.0	0.0	ij			i		
		1020.0	0.0	0.0	•	1190.0	0.0	0.0	ίi			i		
•	•	1080.0	0.0	0.0	•	1260.0	•	0.0	i			į		
		1140.0	0.0		•	1330.0	0.0		lì	j		İ		
[ 2		1200.0	0.0			1400.0	0.0	0.0	ij			İ		
1 2		1260.0	0.0	0.0	İ	1470.0	0.0	0.0	Ħ			į		
2	22	1320.0	0.0	0.0	1	1540.0	0.0	0.0	11			1		
2	23	1380.0	0.0	0.0		1610.0	0.0	0.0	П					
1 2	24	1440.0	0.0	0.0	1	1680.0	0.0	0.0	11					
2	25	1500.0	0.0	0.0	•	1750.0	0.0	0.0	П					
1 2	26	1560.0	0.0	0.0		1820.0	0.0	0.0	П					
•		1620.0	0.0	0.0	•	1890.0	0.0	0.0	Ш					
		1680.0	0.0			1960.0	0.0	0.0				İ		
	-	1740.0	0.0		•	2030.0	0.0					!		
,		1800.0    1800.0	0.0			2100.0	0.0	:	1					
•		1860.0    1820.0	0.0			2170.0	0.0	•	 	į				
		1920.0    1980.0				2240.0			: :			<b> </b>		
		1980.0    2040.0			•	2310.0	:		 		 			
		2040.0    2100.0	0.0     0.0		- :	2380.0  2450.0	0.0		! ( 	ļ				
		2160.0	0.0	0.0	•	2520.0			 	ĺ		l l		
•		2220.0	0.0		- 1	2590.0	0.0	:	, ) 	]	· 	;		
		2280.0				2660.0	•	:	: :	i		! !		
•	- 1	2340.0		'		2730.0	•	:				i		
•	•	2400.0				2800.0		•	: :	Ì				
	+-				+-	+		+						
+					+-	+	+	+	++		·	+		
1			112.7			•	•	101.8		ļ		1		
+			<del>-</del>		+-	+	+	+	++					

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 6 ( PITCH ANGLE: 29.5 DEG )

	4	<b></b>			_							+
		ļ				DATA-	POINT /	RUN				ļ
	ĺ											į
L		DC	-1 /	115	-	[ DC	-3 /	114		!		. !
HN		F	SPL	SPLA		F	SPL	SPLA		F	SPL	SPLA
1		60.0	112.1	85.9	l	70.0	115.9	89.7	l	1	[	l (
j 2	ì		•	:	i	•	110.8	94.7	i	i	j	i i
j 3	i	•	95.1	•	į	•	•	90.8	i	İ	į i	i
j 4	i.		86.4	·	İ	:	102.7	94.1	ĺ	İ	<b>i</b> i	i
5	Ħ	300.0	87.3	80.7	Ĺ	350.0	98.0	91.4	İ	ĺ	İ	į
6	1	360.0	82.9	78.1	Į	420.0	89.9	85.1	İ.	ĺ	ĺ	j
7		420.0	75.9	71.1	l	490.0	88.0	84.8	İ			į
8	11	480.0	70.2	67.0	ĺ	560.0	85.2	82.0	1			ĺ
9	$\square$	540.0	64.6	61.4	l	630.0	67.2	65.3	ļ	Į		ļ
10		600.0	0.0	0.0		700.0	0.0	0.0				İ
11	H	660.0	0.0	0.0	l	770.0	0.0	0.0	H			1
12	11	720.0	0.0	0.0	ļ	840.0	0.0	0.0				
13	$\prod$	780.0	0.0	0.0	l	910.0	0.0	0.0			l {	i
14		840.0	0.0	0.0	1	980.0	0.0	0.0				
•			0.0	•	•	1050.0	0.0	0.0	U			-
16				:	:	1120.0	0.0	0.0				
1		1020.0	!	:		1190.0	0.0	[ 0.0	IJ		ļ	ļ
•		1080.0			: :	1260.0	0.0	0.0				!
		1140.0	0.0		: :	1330.0	0.0	0.0	l		ļ	1
	: :	1200.0	0.0			1400.0	0.0	0.0				!
	1 1	1260.0	0.0			1470.0	0.0	0.0	ļ		ļ	1
	: :	1320.0	0.0		: :	1540.0	0.0	0.0			ļ	ļ
	: :	1380.0	0.0			1610.0	0.0	0.0			Į į	1
		1440.0	0.0		: :	1680.0	0.0	0.0			!	
		1500.0	0.0		: :	1750.0	0.0	0.0	 		Į Į	ļ
-		1560.0   1620.0	0.0 0.0		: :	1820.0  1890.0	0.0	0.0   0.0	)   		!	-
		1680.0	0.0		: :	1960.0	0.0	0.0	 		 	!
		1740.0	0.0		: :	2030.0	0.0		 			<u> </u>
1		1800.0	0.0			2100.0	0.0	0.0	,   1		<u> </u>	i
		1860.0	0.0			2170.0	0.0	0.0			i	i
•		1920.0			. ,	2240.0			ij	i	i	ì
		1980.0				2310.0					i	i
		2040.0			: :	2380.0					i	i
-		2100.0				2450.0					i	i
		2160.0				2520.0			: :		i	i
		2220.0				2590.0	-			:	i	i
		2280.0	•			2660.0					į	į
		2340.0				2730.0			ĺ	İ	j	į
40	H	2400.0	0.0	0.0	Ì	2800.0	0.0	0.0			Ì	İ
+	++			•			,		-+		+	+
+												+
											ļ	1
+					++				++	+	+	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 7 ( PITCH ANGLE: 29.5 DEG )

	+			 - DΛΤΑ-	POINT /	RUN			
					•				
+	DC	-1 / :	115 +	-	-3 / +	114 +	 <del>  </del>	+	! 
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1 1	60.0	109.9	83.7	70.0	1112.8	J 86.6	11	j	i İ
2	120.0	98.3	82.2	140.0	103.5	87.4	l İ		
3	180.0	87.9	77.0	210.0	97.3	86.4	11	1	
4	240.0	77.3	68.7	280.0	81.5	72.9	11	!	
5	: :	71.6	•	350.0	:	0.0	11	<b>[</b>	
: :	360.0	:	:	420.0	•	0.0	11	!	
: :	420.0	:	•	490.0	:	0.0	[ ]	<u> </u>	
8	480.0	67.2	•	560.0	:	:	!!	!	
	540.0	•		[] 630.0	0.0	0.0	<u> </u>	!	
: :	600.0	0.0	•	700.0	0.0	:	11	<u> </u>	<u> </u>
: :	660.0	1	-	770.0	•	•		]	
	720.0	0.0	-	840.0	1	!		ļ .	ļ
	780.0		1	910.0	0.0			!	
: :	840.0	:	•	980.0	0.0	1	1 1	[	ļ
	900.0	•	•	1050.0   1120.0	•	:	: :	] [	 
: :	960.0   1020.0		:	11120.0	•			! !	
1 1	1020.0	•	•	1260.0	•		1 1	l I	
: :	11140.0	:	:	1330.0	_	0.0	: :		
: :	1200.0		•	1400.0	0.0	0.0	: :	}	}
: :	1260.0			1470.0		•	i i		ì
: :	1320.0	:		1540.0	0.0	:			i
•	1380.0			1610.0	0.0	•	: :	ì	ì
	1440.0		•	1680.0	0.0	:	ii	i i	i
: :	1500.0			1750.0			: :	j	i
26	1560.0	0.0	0.0	1820.0	0.0	0.0	ii	j j	į
27	1620.0	0.0	0.0	1890.0	0.0	0.0	į į	İ	į
28	1680.0	0.0	0.0	1960.0	0.0	0.0		İ	ĺ
	1740.0			12030.0	0.0	0.0	Π.	l j	j
	1800.0			2100.0	0.0	:			- 1
	1860.0			2170.0	0.0		• •		- 1
	1920.0								1
	1980.0	-		2310.0			• •		ļ
7	2040.0			2380.0					į
1	2100.0			12450.0			•	<u> </u>	!
	2160.0			2520.0					!
1	2220.0			2590.0			: :		ļ
	2280.0    2340.0			2660.0    2730.0				<b> </b>	!
	12340.0			2730.0    2800.0			:		!
	+			•				: ├ <b></b>	! +
+	•			•			<del> -</del>	<del>-</del>	
0 +	ASPI			•	•			 	 +

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

______

MICROPHONE: MP 9 ( PITCH ANGLE: 29.5 DEG )

	<del>+</del>			DATA-	POINT /	RUN			
+	DC	-1 /	115	]] DC	-3 / +	114		+	 
HN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
1 1		1111.3	•		110.4			!	
2	· •	103.5	87.4	: :	108.8				
3	· ·	96.4	:	: :	100.1	89.2	i }	]	]
4	240.0	83.5	•	: :	104.1	95.5	1	i	
5   6	300.0    360.0	•	:	: :	100.3	93.7	 	1	
1 _	420.0	70.3	:	! !	92.0	87.2     86.0	: 1 : 1	1	
8		68.6	:	560.0	87.2	84.0	! ! ' ]	! !	
! -		66.6	•	630.0	78.6	76.7	i	] ]	
	600.0	•	•	700.0	76.6	70.7     74.7	:	! !	 
1	660.0	•	:	770.0	75.3	74.5	·i	1	
•	720.0	:		840.0	76.3	75.5	i	i	i
	780.0	:	:	910.0	0.0	0.0	i	i i	
	840.0	•	:	980.0	-	: :	i	i	į
15	900.0	0.0	0.0	1050.0	0.0	i	i	i i	ĺ
16	960.0	0.0	0.0	1120.0	0.0	0.0	Ì	1	j
17	1020.0	0.0	0.0	1190.0	0.0	0.0	1	1	
18	1080.0	0.0		1260.0	0.0	0.0	1	<b>!</b> [	1
19	1140.0	0.0	0.0	11330.0	0.0	0.0	1	( )	[
-	1200.0		•	1400.0	0.0	0.0	1		
:	1260.0	:		1470.0	0.0	0.0	ļ	!	Į.
1	1320.0	•	•	1540.0	0.0	0.0	ļ	[ [	ļ
	1380.0	:	•	1610.0	0.0	0.0	ļ	!!!	ļ
•	1440.0	•	•	1680.0	0.0	0.0	Ţ	! !	!
	1500.0	:		1750.0	0.0	0.0			ļ
:	1560.0	:		1820.0	0.0	0.0	1	! ! ! !	ļ
•	1620.0   1680.0	•		1890.0   1960.0	0.0	0.0     0.0	1	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	· · · · · · · · · · · · · · · · · · ·
- 1	11740.0	0.0		2030.0	0.0	0.0	1	! ! ! !	1
•	11140.0	0.0	,	2100.0	0.0	0.0     0.0		, [ 	1
•	1   1850.0	0.0		2170.0	0.0	: :	i	j i	i
•	11970.0	•		2240.0		:	i	į i	İ
	1987.0				0.0	:	:	j i	i
•	2040.0	•		2380.0		: :		j	i
•	[]2100.0			2450.0	0.0	: :		l İ	į
36	[]2160.0	0.0	0.0	2520.0	0.0	0.0	1	l İ	İ
•	2220.0	•		2590.0	0.0	0.0	<u> </u>		- 1
	2280.0			2660.0	0.0	0.0	!	ļ	1
	2340.0						1		ļ
	112400.0					•	•		İ
•	++	•						r	+
•	OASPL	112.1	91.4	1	113.7	100.0			· 
+		+	<del>-</del>	+	+ <b></b>	++	+	++	+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

( PITCH ANGLE: 29.5 DEG ) MICROPHONE: MP 1

		+			_							+
						DATA-	\ TNIO9	RUN				!
		50	, ,			l no	2 /			1		ļ
<b>.</b>	+	DC	-4 / :	L13 	  -	DC	-2 / :	+ ::::	  -	 +	<b>.</b>	 ++
Ī	HN	F	SPL	SPLA		F	SPL	SPLA		F	SPL	SPLA
+-	+ 1	+ 1 35 2	80.8	+ 1	+- 1	1 60 0	104.6	ተ 1 78 ፊ	- 	+ ]	t 1	<del>-</del>
i	2	•	•	40.5		•	•	•	•	•	, 	i
i	3		•	•	i	•	•	•	•	•	i	i
i	4		•	1		240.0	•	:	:	:	i	i i
i	5	I .	•	:	i			68.0	:	<u> </u>	i	i
i	:	211.2	•		i	360.0	•	67.2	:	•	i	i
i	7	ì	•	:	ì	420.0		62.6	i	<u>'</u>	i i	i i
i	8 j	281.6	Ī.		i	480.0		65.9	İ	j	i i	i
i	9 j	316.8	0.0	0.0	İ	540.0	•	64.1	İ	į i	İ	İ
İ	10 j	352.0	-	:	İ	600.0	66.0	64.1	ĺ	ĺ	İ	į
İ	11	387.2	0.0	0.0	Ė.	660.0	58.1	56.2	ĺ	ĺ	İ	İ
İ	12	422.4	0.0	0.0	Ĺ	720.0	0.0	0.0			1	1
İ	13	457.6	0.0	0.0	Ĺ	780.0	0.0	0.0		ĺ		ĺ
$\perp$	14	492.8	0.0	0.0		840.0	0.0	0.0	1			' <b>!</b>
ł	15	528.0	0.0	0.0		900.0	0.0	0.0	1		) [	<b> </b>
1	16	563.2	0.0	0.0	П	960.0	0.0	0.0				1
1	17	598.4	0.0	0.0	1	1020.0	0.0	0.0				1
1	18	633.6	0.0	0.0		1080.0	0.0	0.0	ŀ			
-	19	668.8	0.0	0.0		1140.0	0.0	0.0	I			
	20	704.0	0.0	0.0	П	1200.0	0.0	0.0				!
ļ	21	!	!			1260.0	0.0					!
ļ	22				•	1320.0						ļ
ļ	23	•		•		1380.0	0.0	•				ļ
ļ	24	:				1440.0	0.0					Į.
ļ	25	:	:			1500.0					!	!
•	26	•	•			1560.0						<u> </u>
:	27	•	•		: :	1620.0						!
:	28	:				1680.0						
1		1020.8	•		•	1740.0					] 	]
-	-	1056.0  1091.2				1800.0	0.0					ļ
l		1126.4	0.0			1860.0			   1		;	į 1
-	_	1126.4				1920.0					<b>[</b>   <b>!</b>	} 
- 1	-	1196.8			•	2040.0						 
•		1232.0	0.0		7	2100.0						i i
- :		1267.2	0.0		•	2160.0						i
		1302.4			: :	2220.0						i
	•	1337.6	;			2280.0			. :		i	ľ
•		1372.8	0.0			2340.0					i	ì
		1408.0				2400.0					i	i
•	•	+	<del>-</del>		H		•		Η	i		·+
+-			<u></u>		++				4			+
	0.		80.9		٠.		105.1			•		1
+-					++				+			+

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

----

MICROPHONE: MP 2 ( PITCH ANGLE: 29.5 DEG )

		+			DATA-	POINT /	RUN			+ 
1		DC-	-4 /		DC		111	<u> </u>	L	   
	HN		•	SPLA	F		SPLA	} F	SPL	SPLA
Ţ	1	35.2	83.3	43.9	60.0	1	80.5	İ	!	
Ì	2		•	0.0		•	84.7	•	ļ	
-		:	0.0	:	180.0	•	•	•	!	
ļ	4	•	:		: :	:	79.6	1		
-		176.0	:			•	73.1	•	<u> </u>	]
ļ		211.2		:			73.8	:		<b> </b>
-	:	246.4	:	•	•	•	72.4	•	!	
!		281.6	:	•	480.0	7	65.2	:	1	
ļ		316.8	:	•	540.0		66.0	1	<u> </u>	1
-		352.0	:	:	600.0		63.7	! !	! !	
ļ		387.2		•	660.0    720.0	•	67.1	<u> </u>	[	[
-		1 422.4	:	•		•	60.7     0.0	•	! !	
1	:	457.6   492.8			840.0		0.0	•	[ [	
ł		528.0	!		900.0		0.0	-	) [	] [
¦		563.2			960.0		:	:	, i	i
;		598.4			1020.0	:	0.0	:	<u>'</u>	i
i		633.6			1080.0	:	0.0	:	i i	i
i	:	668.8		-	1140.0	•	0.0		i	i į
i		704.0		:	1200.0	:	0.0	:	i	i
i		739.2		:	1260.0	:	:	:	j j	i
İ	:	774.4			1320.0	:	j 0.0 j	İ	i i	i
İ	23	809.6	0.0	0.0	1380.0	0.0	0.0	İ	İ	İ
Ì	24	844.8	0.0	0.0	1440.0	0.0	0.0	ĺ	[ [	l t
ĺ	25	880.0	0.0	0.0	1500.0	0.0	0.0	1	1	1
-	26	915.2	0.0	0.0	1560.0	0.0	0.0	1		
-	27	950.4	0.0	0.0	1620.0	0.0	0.0	1	1 1	1
	28	985.6	0.0	0.0	1680.0	0.0	0.0			
1	•	1020.8	•	•	1740.0	•	•	:		ļ
ļ		1056.0		•	1800.0	•	: :	:		!
!		1091.2			1860.0			•	[	!
!			•		1920.0	•				1
!	•	11161.6			1980.0	•	: :	-		
ļ		1196.8			2040.0	•		:		ļ
-		11232.0			2100.0	:	: :		] 	[
ļ	•	1267.2		•	2160.0	:	:		!   !	
1	•	1302.4			2220.0		•	•	] 	<b>1</b>
1	•	1337.6  1372.8		•	2280.0   2340.0	•	0.0     0.0		! ! ! !	
1		13/2.6			12340.0	•	0.0	1	1   	
1					2400.0   <del> </del>	•		! <b>+</b>	: ├	 
+.								+	++	++
ļ			83.3	43.9	1	108.1	89.9	1		
+.									+	

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 3 ( PITCH ANGLE: 29.5 DEG )

	•	+ 			DATA-	POINT /	RUN			 
<b>4</b>	1_	DC ·	-4 /		DC	-2 / +	111		<u> </u>	   
HN	I	F	-	•	F	•	SPLA	F	SPL	SPLA
1	.	35.2	85.3	45.9	60.0	•	83.3	-	ļ	,
1 2	2	70.4	67.8	41.6	120.0	102.3	86.2		1	
1 3	3	105.6	0.0	•	180.0	•		•	!	
4	١,	•	0.0	Ĭ	240.0	:	: :			
5	:	•	_	•	•	•	74.9	•	<u> </u>	
1 6		•	•	•	360.0	•	: :	•	<u> </u>	ļ į
		246.4	:		420.0		67.5	•	!	
) 8		281.6	:	•	480.0	•		•	[	!
9		316.8	:	•	540.0	•		ļ	!	!
10		352.0	•	•	600.0	•		1		•
11	•	•		•	660.0	•		•	!	,
12	- 1	422.4			720.0			•		!
13		457.6	:	•	780.0	•	: :	•		ļ
14		492.8			840.0	1	0.0	Ĭ.	] 1	!
15		528.0		:	900.0	•	: :	•	) •	1
16	- :	563.2			960.0	:	:	•	! !	<u>!</u>
1 17		598.4			1020.0	•	0.0     0.0	1	[ 	
1 19	. :	633.6	0.0		1140.0		0.0	•	} 	. !
20	•	704.0			1200.0		: :	1	! !	
21	- 1	739.2			1260.0	•	: :	•	1 1	}
22		774.4			1320.0		: :	: ·	! !	
		809.6			1380.0		:	1	 	j
24	- :	844.8			1440.0	•			! !	l I
25	•	880.0			1500.0			:		i
26		915.2			1560.0		: :			i
		950.4			1620.0	•	:	1	i	
28		985.6			1680.0	•	0.0	i		i
j 29	•	1020.8			1740.0	•		i	i i	ĺ
j 30		1056.0			1800.0	•	1	i .	i	i
j 31	ij	1091.2	0.0	0.0	1860.0	0.0		j .	İ	i
32	: j	1126.4			1920.0		•	İ	İ	į
33	1	1161.6	0.0	0.0	1980.0				İ	j
•	•	1196.8			2040.0	0.0	0.0		1	ĺ
35		1232.0	0.0	0.0	2100.0	0.0	0.0	1		1
•		1267.2			2160.0	•	:			1
•		1302.4			2220.0		: :	:		1
		1337.6			2280.0	•			ļ ļ	1
		1372.8			2340.0		• •	•	. !	ļ
•		1408.0		•	12400.0	•		 +	 	
+					+	<b></b>	· +			+
1	0/				+				)	 +

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

-----

MICROPHONE: MP 4 ( PITCH ANGLE: 29.5 DEG )

		+ !			DATA-	POINT /	RUN			 !
+	+	DC-	-4 /	113	] DC	-2 / +	111		+	   
i	IN	F	SPL	SPLA	F	SPL	SPLA	F	SPL	SPLA
į	1		•		60.0	-	I :	i		
ļ	:	70.4	58.7		: :	:	88.0	1	!	!
[	- :	105.6	0.0	•	180.0	•	86.3		!	!
ļ	4	-			240.0	•	82.4	!	ļ	!!!
ļ	5		Ĭ.	1	300.0	:	80.9	1		! !
-	6	•	•	:	: :	84.6		}	 	ļ <b>1</b>
1	7	•	•	•	420.0	•	•	1	! i	
-	8   9	-		•	480.0    540.0		: :	1	! !	! !
		352.0	•	:	600.0		: :	1	] [	] 
	11		-	:	660.0	:	: :	i	! !	
•	12		7		720.0	:	0.0	i	! [	, , 
•	13	·	•		780.0	1	0.0	i		
•	14	i	:	•	840.0	*	0.0	i		i
•		528.0	-		900.0	0.0	: :	i		
•	16	1	:		960.0	0.0	: :	i		
•	17 j	598.4	:	•	1020.0	0.0	: :	i	İ	İ
į 1	18 j		:		1080.0	0.0	: :	į ,		İ
j 1	19	668.8	0.0	0.0	1140.0	0.0	0.0	į .		İ
2	20	704.0	0.0	0.0	1200.0	0.0	0.0	ĺ	İ	ĺ
2	21	739.2	0.0	0.0	1260.0	0.0	0.0	1	l i	
2	22	774.4	0.0	0.0	1320.0	0.0	0.0			
2	23	809.6	0.0	•	1380.0	0.0	0.0			1
•	24	844.8	0.0		1440.0	0.0	: :	ļ I		1
•	25	880.0		•	1500.0	0.0	0.0	!		ŀ
•	26	915.2			1560.0	0.0	:			ļ
•	- :	950.4			1620.0	0.0	:	!		
•		985.6			1680.0	0.0		!		ļ
•		1020.8	•		11740.0	0.0	: :	!		
•		1056.0			11800.0	:				Į.
•		1091.2	0.0		11860.0	0.0		] 	 	i i
		1126.4    1161.6			1920.0	0.0	0.0     0.0		 	. [
		11196.8			1980.0   2040.0			1		1
•		1130.0			2100.0	0.0				}
		1267.2	0.0		2160.0	0.0		:		1
•	•	•	0.0		2220.0	0.0		:	ļ	i
•		1337.6			2280.0	•	:	•		i
		1372.8	0.0	0.0	2340.0				i	ì
					2400.0			:	İ	i
•	•	•			++	•		•		
+					++	+	++	+		+
1				46.8			92.6		1	1
+			<u> </u>		++	+	++	+		+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

_____

MICROPHONE: MP 5 ( PITCH ANGLE: 29.5 DEG )

	•	+ [				DATA-	POINT /	RUN				 
		DC:	-4 / :	113			-2 /		1	İ		i
+   H	+ N	F	SPL	SPLA	Н	F	SPL	SPLA	 	F	SPL	SPLA
+ 	1	+   35.2	+   85.8	*		60.0	+   112.0	+ 1 85.8	<b>-</b>	+ 	+	++ 
•	2	•	•	•		120.0			•	9	i	i
İ	3	105.6	•	•		180.0	•	86.1	: :			İ
1	4	140.8	0.0	0.0	H	240.0	87.9	79.3			ĺ	İ
1	5	176.0	0.0	0.0	П	300.0	87.4	80.8			<b>!</b>	
-	6	211.2	0.0	0.0	$\ \cdot\ $	360.0	85.0	80.2			[	
	7	•	•	0.0	П		:	75.6				
•	8	•	•	•			•	70.0				
:	9	•	:	•	: :	540.0	•	67.8			[	ļ
	0	•	:	•		600.0	•	64.9				
	1		:	•		660.0	•	58.0			!	!
	•	422.4 457.6		:		720.0 780.0	•	0.0	   1	'	! !	
	•	492.8	•	:	: :	840.0	•	) 0.0   0.0	•		 	
	•	528.0	•	:	: :	900.0	•	•	•			 
•	•	563.2	:	•	: :	960.0	•		: :		' 	
:		598.4		<u>•</u>	: :	1020.0	•		: :		i	i
1		633.6			: :	1080.0			•		i	j
1	- 1	668.8		•	: :	1140.0	0.0		: :		İ	i
2	0 [	704.0	0.0	0.0	Ħ	1200.0	0.0	0.0	İ		İ	į
2	1	739.2	0.0	0.0	11	1260.0	0.0	0.0	П			
2	2	774.4	0.0	0.0		1320.0	0.0	0.0				1
2		809.6		•		1380.0	0.0		•			
2		844.8			1 1	1440.0						
•		880.0		<u>-</u>		1500.0			•			!
2	•	915.2			: :	1560.0						!
2		950.4			: :	1620.0					]	- !
1 2		985.6    1020.8			: :	1680.0 1740.0			•			1
1 3		1056.0				1800.0	0.0			i		!
•		1091.2				1860.0	0.0					
		1126.4							•			ľ
		1161.6				1980.0					i	ľ
•		1196.8	•			2040.0			•		i	i
		1232.0				2100.0			İ		i	į
		1267.2		0.0	11	2160.0	0.0		Í	ĺ	l i	j
-		1302.4			: :	2220.0			1	!	1	İ
		1337.6			: :	2280.0			•	į	ļ	1
•		1372.8	•			2340.0			:		ļ	ļ
		1408.0				2400.0	•	-	1			!
+	- <del> 1</del>								+			·+
i	O.A	SPL	85.9 I	48.5			113.1		ĺ	- , !		
<u>+</u>		•	•				•			: +	+	·+

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 6 ( PITCH ANGLE: 29.5 DEG )

	-	+ !			-	DATA-	POINT /	RUN				
+		DC			•	DC	-2 /		  -		+	 
	1		•			,   F		SPLA			SPL	SPLA
- 1		1		-	7	60.0	111.1	84.9	H			
	2			44.1	:	•		•	: :			İ
	3	•	•	:	ļ	•	:					
4	•   5	<u>.</u>	•	•	!	•	83.9	-	 			
1 6	. :		:	:	1		•	•	   1			
: _	,		:		٠.	420.0	:	-	 			 
8			•	•	•	480.0	•	•				
i 9	•					540.0			ij			
10	- :	:		•		600.0	•	•	ij		·	
111					•	660.0	:	•	•			i
1 12		422.4			:	720.0		:			j	i
13	3 j	457.6		:	İ	780.0	0.0	0.0	İ			İ
14	-	492.8	0.0	0.0	1	840.0	0.0	0.0				
15		528.0	0.0	0.0		900.0	0.0	0.0	1			
16	5 []	563.2	0.0	0.0	1	960.0	0.0	0.0	H			}
17					:	1020.0			•			!
18					7	1080.0			: :		ļ	ļ
19	•			-	:	1140.0		:				1
20		:		•	•	1200.0		:			İ	!
21					-	1260.0			•			ļ
22		774.4 809.6				1320.0  1380.0					' I	
		844.8				1440.0			: :			; i
-		•			:	1500.0						i
•						1560.0					i	i
•	' i				•	1620.0			i		i	i
j 28			:		•	1680.0			İ		i	i
29		1020.8			:	1740.0					j	į
30		1056.0				1800.0		0.0	Ì	į	į	İ
•		1091.2	0.0		•	1860.0				١		İ
1	- : :	1126.4				1920.0				ļ	ļ	
		1161.6				1980.0					ļ	]
34		1196.8			:	2040.0			i	į	ļ	!
35		1232.0				2100.0			ļ	!		ļ
36		1267.2			•	2160.0				ļ	j	
•		1302.4				2220.0	0.0	( )	1	]	1	
•		1337.6    1372.8	<b>0</b> .0     <b>0</b> .0			2280.0  2340.0			I	 	[ 	
•		1408.0			•	2340.0 2400.0			:	i	l i	]
•					•	2400.0 			+	ا ++	ا +	ا +
+								·	+	+	+	+
1	0/	ASPL					112.3			1		1
+											·+	

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

MICROPHONE: MP 7 ( PITCH ANGLE: 29.5 DEG )

++   HN   ++   1     2	F   35.2	+	+	DC	:-2 /	111	ı		ļ
1 1   2	35.2	SPL	•			++	-	<b>+</b>	ا 1
2	•	•	•	F ++	SPL	SPLA	•	SPL	SPLA
: - :	1 70 4	82.2			105.6	79.4	•	j	i i
	•	70.0	!		91.9	•	:		
	105.6		•		82.7	: :	!	<u> </u>	
	140.8	:	-		81.1	72.5     58.5	1	 	
	176.0   211.2	1			65.1   73.8	58.5     69.0	:	! 	
	246.4	•	•	420.0	•			! !	
	281.6	:	•	480.0		67.6			
	316.8	:	•	540.0	*		•	1	i i
	352.0	:	:	600.0	:	0.0	•	i i	į i
: :	387.2		:	660.0		j 0.0 j	İ	1	ı i
12	422.4	0.0	0.0	720.0	0.0	0.0	1		
13	457.6	0.0	•	780.0	0.0	0.0	1	1	
: :	492.8	:	:	840.0	1	0.0	:	! !	
15	528.0		:	900.0	0.0	0.0			
	563.2	:	•	960.0	0.0	0.0	:	ļ	
	598.4	•	•	1020.0	:	0.0	•	[ !	
•	633.6	•	•	11140.0	0.0	0.0	:	<b>!</b>	[ 
	668.8     704.0	:	•	1140.0   1200.0	•	: :	:	[	 
21	:		•	11260.0	1	: :	) 	1	!
• •	774.4		:	1320.0		0.0	i	<u> </u>	
	809.6			11380.0	0.0	: :	i	i i	i
	844.8		•	1440.0	0.0	0.0 j	j	j j	i
25	880.0	0.0		1500.0	0.0	j 0.0 j	İ	j i	į
26	915.2	0.0	0.0	1560.0	0.0	0.0		ĺ	j
27	950.4	0.0	•	1620.0	0.0	0.0			
	985.6		•	1680.0	0.0	: :	ļ		
	1020.8		•	1740.0	0.0				
: :	1056.0		-	1800.0		: :			
	11126 4		•	111860.0	0.0	: :	1	]	1
1	1126.4    1161.6			1920.0   1980.0	0.0	0.0     0.0		, [ 	1
	1196.8			2040.0	0.0			, l	1
-	1232.0	0.0		2100.0	0.0		i	' '	i
	1267.2	0.0	-	2160.0	0.0	0.0	i	j j	i
	1302.4	0.0		2220.0	0.0		i i	i i	i
	1337.6	0.0		2280.0	0.0		i i	l į	į
39	1372.8	0.0		2340.0	•	0.0	ļ (		İ
	1408.0			2400.0	•		•		1
	++							t+ L	+
1 0	ASPL	82.5	46.3		105.8	82.6	1	r+ 	+ 

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

_____

MICROPHONE: MP 9 ( PITCH ANGLE: 29.5 DEG )

	<b>+</b>			DATA-	POINT /	RUN			
++	DC	-4 / :		DC		-		+	+
HN	F	•	SPLA	    F ++	-		•	SPL	SPLA
1 1	•	82.8	•	60.0	•	83.9	•		
2 1	:	:	:	• •	•	87.5	!	!	
] 3 ]	105.6	:	:	: :	95.1	1 :	. !	!	!
4	140.8	•	•	: :	86.8	: :	ļ	!	<u> </u>
	176.0	:	•	: :	85.9	1 1	!	  -	 
! - :	211.2	-	•		78.8		-	 	! i
	246.4		•	420.0	•	: :	1	[ [	[ :
8	316.8	:	1	480.0    540.0	7		1	! 	 
10	352.0	:	:	600.0		: :	1	! !	] 
	387.2	:		660.0	•	•	ì	! }	! 
: :	422.4	<u>:</u>		11 720.0	-	: :	•	i	
: :	457.6	-	:	780.0	:	: :	:	İ	i
14	492.8	:	:	840.0	:	: :		i	i
15	528.0	0.0	0.0	900.0	0.0	0.0	i	į	İ
16	563.2	0.0	0.0	960.0	0.0	0.0	İ		
17	598.4	0.0	0.0	1020.0	0.0	0.0	1		
18	633.6	0.0	0.0	1080.0	0.0	0.0	1		
19	668.8	0.0	0.0	1140.0	0.0	0.0	1	1	
20	704.0		:	1200.0	-		:		
21	739.2		•	1260.0	•	: :		<u> </u>	
•	774.4			1320.0	7	: :	:	!	
: :	809.6		:	1380.0	1	: :	:		
	844.8	•	•	1440.0	•	: :		] 	
25	880.0   915.2			1500.0   1560.0	•	: :		] }	
	950.4		•	11620.0	0.0	: :	1	! !	
•	985.6		-	11680.0	•	1		i i	
	1020.8			11740.0	:	: :	:		
	1056.0			1800.0	:		:	j	i
	1091.2			1860.0	0.0		:	j	
	1126.4			1920.0		0.0	•	j	İ
	1161.6			1980.0				l	l
	1196.8		•		0.0	0.0			l
35	1232.0	0.0	0.0	2100.0	0.0	0.0			
	1267.2		•	2160.0	•	•	!		
•	1302.4		•	2220.0	0.0	: :	:	<u> </u>	
•	1337.6		•	2280.0	•		:	ļ	
	1372.8		-	2340.0	,	•	:	i I	
	1408.0							 	 <b> </b>
								, 	, 
	ASPL	82.8	43.4	11	1111.1	91.0	1		
+				++				h	<del></del>

F - FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

( PITCH ANGLE: 20.7 DEG ) MICROPHONE: MP 8

		!			-	DATA-	POINT /	RUN			
<b></b> .		   BC	-4 /	73		BC	-5 /		BC	-6 /	70
HN		,   F	SPL	SPLA			SPL		•	SPL	SPLA
1	į	•	104.3	78.1	ļ	•	111.1	88.6	•	110.2	91.1
2	1	•	103.6	87.5	!		109.1	95.7	•	•	102.7
3	1	•	100.0	89.1	١	•	109.1	100.5	270.0		105.9
4	ļ	•	95.7	87.1	!	•	106.5	99.9	•	•	109.8
1 5 1 6		:	91.3	84.7	!	•	•	1100.8	450.0   540.0	•	111.6    112.1
		•	89.3   86.0	82.8	ļ	-	103.5  101.7	100.3     98.5	•	•	1112.1
1 8		:	82.3	79.1	1	640.0	99.2	: :		•	114.0
1 9	 	:	77.2	75.3	1	720.0	98.7	: :	720.0   810.0	•	114.0    113.9
10	i	:	77.2   75.7	73.8		800.0	96.3	: ;	•	•	113.4
1 11	j		72.0	71.2	1	880.0	93.5	92.7		112.7	1112.7
1 12	i		69.1	68.3	l	960.0	91.2	91.2	-	112.7	112.0
13	t	910.0	0.0	0.0	ί	1040.0	88.4	88.4		110.7	111.3
14	i		0.0	0.0	•	1120.0	86.4	86.4		110.2	110.8
1 15	•	1050.0	0.0	0.0	•	1200.0	84.0	•	•	•	109.4
1 16	•	1120.0	0.0	0.0	•	1280.0	82.0		•	•	108.2
17	•	1190.0	0.0	•	•	1360.0	79.6	• •		•	107.0
18		1260.0	0.0		•	1440.0	76.0	•	•	•	105.7
19	•	1330.0	0.0	0.0	•	1520.0	73.8	•	•	•	104.3
20		1400.0	0.0	0.0	•	1600.0	70.1	•		•	103.3
21	i	1470.0	0.0	0.0	i	1680.0	67.4	68.4	1890.0	101.7	102.9
22	İ	1540.0	0.0	0.0	Ĺ	1760.0	65.1	66.1	1980.0	99.4	100.6
23	İ	1610.0	0.0	0.0	1	1840.0	0.0	0.0	2070.0	99.0	100.2
24	H	1680.0	0.0	0.0	Ĺ	1920.0	0.0	0.0	2160.0	97.9	99.1
25		1750.0	0.0	0.0	1	2000.0	0.0	0.0	2250.0	96.0	97.3
26		1820.0	0.0			2080.0	0.0	0.0	2340.0	96.1	97.4
27		1890.0	0.0	0.0		2160.0	0.0		2430.0	95.2	96.5
28		1960.0	0.0		•	2240.0	0.0		2520.0	93.8	95.1
29		2030.0	0.0			2320.0	0.0		2610.0	95.5	96.8
30		2100.0	0.0			2400.0	0.0		2700.0	93.8	95.1
31		2170.0	0.0			2480.0	0.0		2790.0	93.8	95.1
		2240.0	0.0			2560.0	0.0		2880.0	94.3	95.5
		2310.0	0.0		- 1	2640.0			2970.0	:	94.0
•	, .	2380.0			- : :	2720.0			3060.0	•	93.9
- 1	- 1	2450.0	0.0		•	2800.0		•	3150.0	•	94.0
		2520.0				2880.0			3240.0	•	92.5
•		2590.0				2960.0			3330.0		
-		2660.0			•	3040.0			13420.0		
•		2730.0				3120.0			3510.0	•	
		2800.0				3200.0			3600.0 +		
									+		
											123.8
									 <del> </del>		

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA SPLA - A-WEIGHTED SOUND PRESSURE LEVEL DBA RE 2E-5 PA

Consider the victor of the second of the consider the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the seco

MICROPHONE: MP 8 ( PITCH ANGLE: 24.4 DEG )

	+	DATA-POINT / RUN									
<b>1</b>	   cc	CC-3 / 119			CC-4 / 120		120 <b> </b>	CC-5 / 123			
HN	F	SPL			-	SPL	SPLA	, F	SPL	SPLA	
1	60.0	105.5	79.3	İ		109.8	83.6		112.5	90.0	
2	120.0	99.8	•			108.5	92.4	160.0	111.2	97.8	
3	180.0	91.5	•			104.5	93.6	240.0	111.2	102.6	
4	240.0	0.0	0.0		280.0	99.5	90.9	320.0	108.0	101.4	
5	300.0	0.0	•			95.0	88.4	•	•	102.5	
6	360.0	0.0	•		•	93.0		•	•	102.1	
•	420.0	0.0	•		•	89.6		•	103.1	99.9	
:	480.0	0.0	0.0	! !	560.0	84.4	81.2	•	101.2	99.3	
9	540.0	0.0	!			79.9	78.0	•	100.1	99.3	
10	600.0	0.0	!			77.7			97.5	96.7	
11	660.0	0.0	:	Н		74.9	•	880.0	95.3	94.5	
	720.0	0.0	0.0		840.0	69.7		960.0	93.1	93.1	
13	780.0	:	0.0   0.0	 	910.0 980.0	0.0	•	11120.0	90.5	90.5	
14	840.0	0.0	0.0	11	1050.0	0.0		1120.0  1200.0	89.1	89.1   86.1	
15	900.0    960.0	0.0	•	٠.	1120.0	0.0   0.0		1280.0	83.5	84.1	
•	11020.0	•	•		1120.0	0.0		1360.0	81.0	81.6	
•	11080.0	0.0	•		1260.0	0.0		11440.0	77.1	78.1	
•	1140.0	0.0	•	٠.	1330.0	0.0	•	1520.0	74.8	75.8	
•	1200.0	0.0	•		1400.0	0.0		1600.0	71.6	72.6	
•	11260.0	0.0	•	٠.	1470.0	0.0	,	1680.0	0.0	0.0	
	1320.0	0.0	•		1540.0	0.0	•	1760.0	0.0	0.0	
•	1380.0	0.0	•		1610.0	0.0		1840.0	0.0	0.0	
•	11440.0	0.0	•		1680.0	0.0	•	1920.0	0.0	0.0	
•	1500.0	0.0	•		1750.0	0.0		2000.0	0.0	0.0	
	1560.0	0.0	•		1820.0	0.0		2080.0	0.0	0.0	
-	1620.0	0.0	•		1890.0	0.0		2160.0	0.0	0.0	
•	1680.0	0.0	•		1960.0	0.0	. ,	2240.0	0.0	0.0	
•	1740.0	0.0	•		2030.0	0.0		2320.0	0.0	0.0	
	1800.0	0.0	•		2100.0	0.0		2400.0	0.0	0.0	
•	1860.0	0.0	•		2170.0	0.0	0.0	2480.0	0.0	0.0	
32	1920.0	0.0	0.0	Ì	2240.0	0.0	0.0	2560.0	0.0	0.0	
	111000	0.0			2310.0	0.0		2640.0			
34	2040.0	0.0	0.0	П	2380.0	0.0	0.0	2720.0	0.0	0.0	
35	2100.0	0.0	0.0	П	2450.0	0.0	0.0	2800.0	0.0	0.0	
36	2160.0	0.0	0.0	П	2520.0	0.0	0.0	2880.0	0.0	0.0	
•	2220.0	0.0	•		2590.0	0.0	0.0	2960.0	0.0	0.0	
-		0.0		: :	2660.0	0.0		3040.0		0.0	
-	2340.0	1			2730.0	0.0		3120.0		0.0	
•	• •	0.0 +	•		2800.0	0.0		3200.0	•	0.0	
+++++++											
	OASPL	106.7 +					98. <b>8  </b> + <del></del>			110.5	

- FREQUENCY HZ

SPL - SOUND PRESSURE LEVEL DB RE 2E-5 PA

#### 7. Comments on Data Interpretation

In the preceding chapters acoustic as-measured data are presented in terms of pressure-time histories and narrow-band spectra for all microphone positions MP 1 to MP 9*.

As stated in the "Executive Report" to this Appendix all data have been analysed regardless of occasional microphone drop-outs or the occurrence of external pressure disturbances which may distort the propeller noise-signature completely.

To avoid erroneous data interpretation, the following list summarizes all those data-points (within the total test-program) which should be deleted with respect to the microphone position indicated:

#### Microphone Position MP 3:

Delete analyses of Data Points BC-4 BC-5.

#### Microphone Position MP 6:

Subprogram	Delete analyses of Data Points						
Basic Program	AN-1,2,3,4,5,7; BN-1,2,3,4,5,6,61,7 BC-1,2,3,4,5,6,61,7						
Temperature Effect	HN-3; IN-1,2,3; JN-1,2,3; KN-1,2 HC-1,2; IC-1,2,3;						
Attitude Effect	-						
Installation Effect	FNC-7,8,9,10,11,12						

^{*} MP 8 has only been analysed for data points within the "Attitude-effect" test-program.

In addition, noise data acquired at microphone position MP 7 should be interpreted with care for such data-points which combine low propeller rotational speeds with high tunnel flow-velocities. Respective data are often disturbed due to the effects of microphone vibration. In each of these cases the respective averaged pressure-time history and the corresponding level-spectrum should be inspected carefully. If both data representations do not exhibit any periodic behaviour the respective analysis should not be interpreted.

On top of the averaged pressure-time history plot the number of averages as well as the magnitude of "disturbance-pressure- amplitudes" (which have been detected and deleted within the analysed time-interval) are indicated, the latter by  $\Delta P$ . In case of completely distorted propeller noise signatures,  $\Delta P$  generally assumes values of 496% (referenced to the minimum peak-to-peak pressure amplitude within the total number of propeller revolutions analysed). If even higher disturbance amplitudes occur, respective data analyses are marked by  $\Delta P >$  *** and should be deleted. Lists of harmonic levels in this case often contain just one level-value for the fundamental frequency (HN=1) which then however has no physical meaning.

Therefore, data interpretation should not be solely based on the listing of harmonic levels. In particular, if only one harmonic level at HN=1 is listed, a careful inspection of the respective level-spectrum (as calculated from the averaged time-history) is necessary to ensure the physical relevance of this harmonic level.